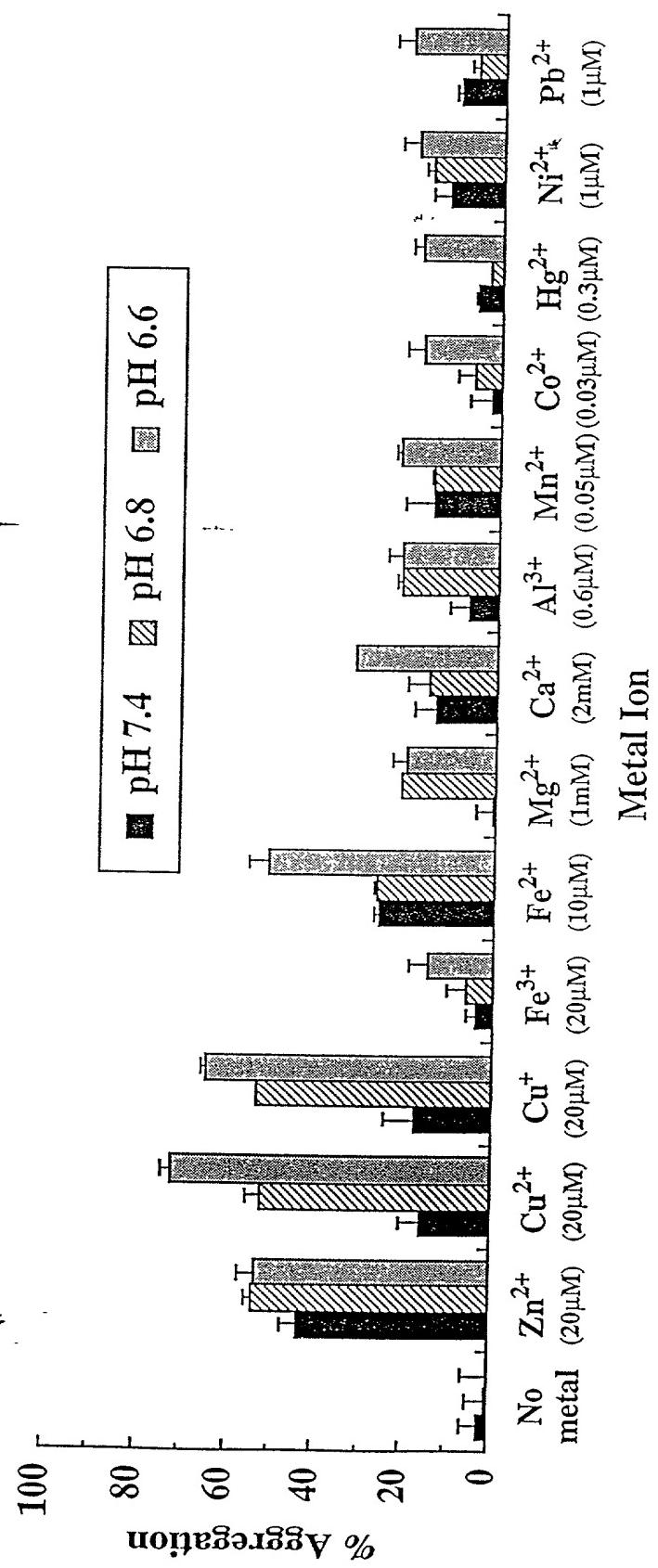


Fig 1

F: g 2A



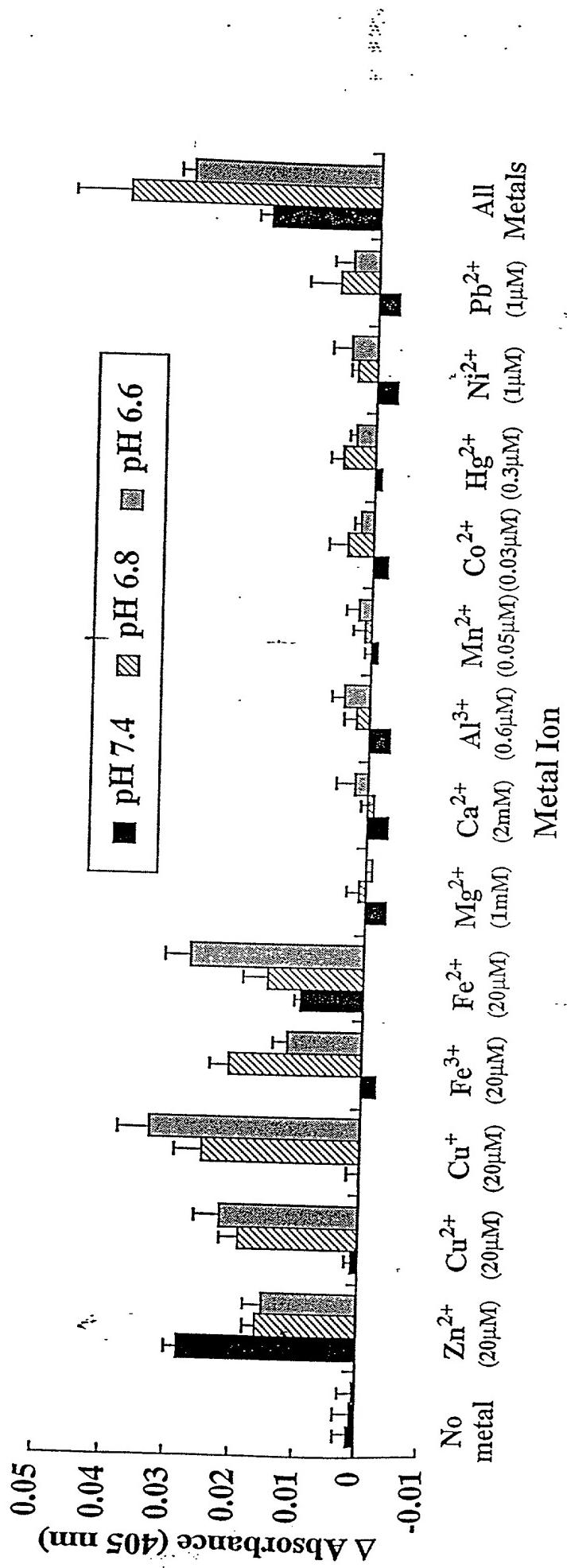
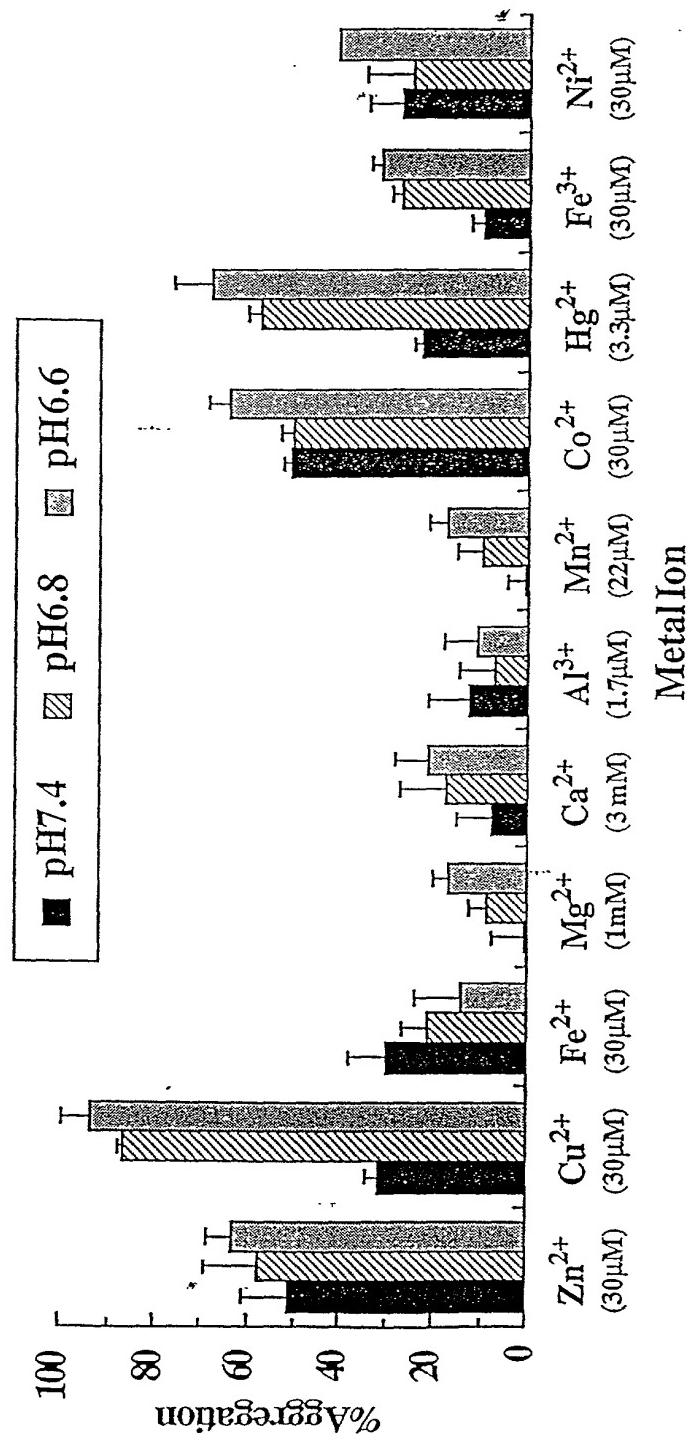
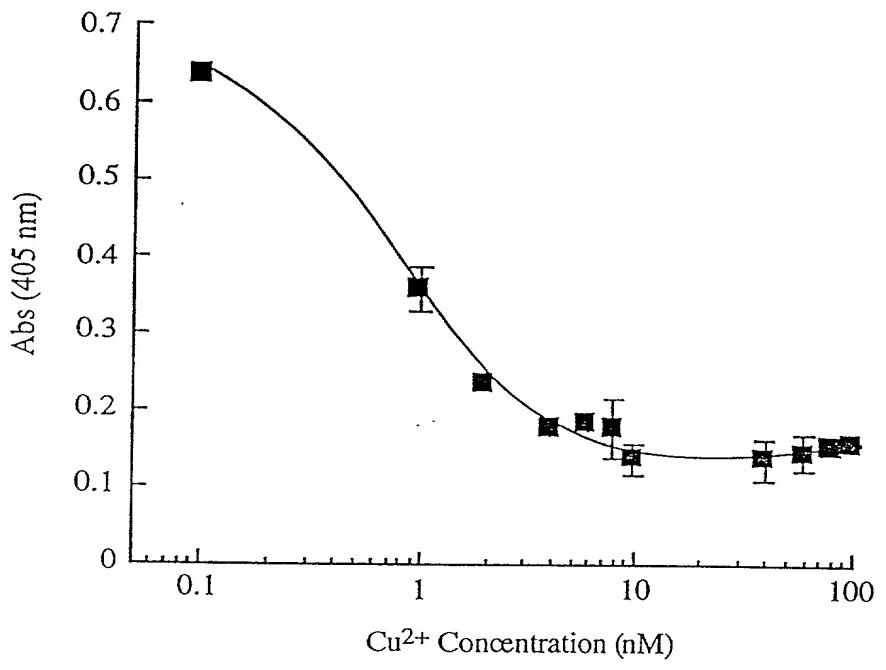


Fig. 2B

Fig 2C





F.g. 3

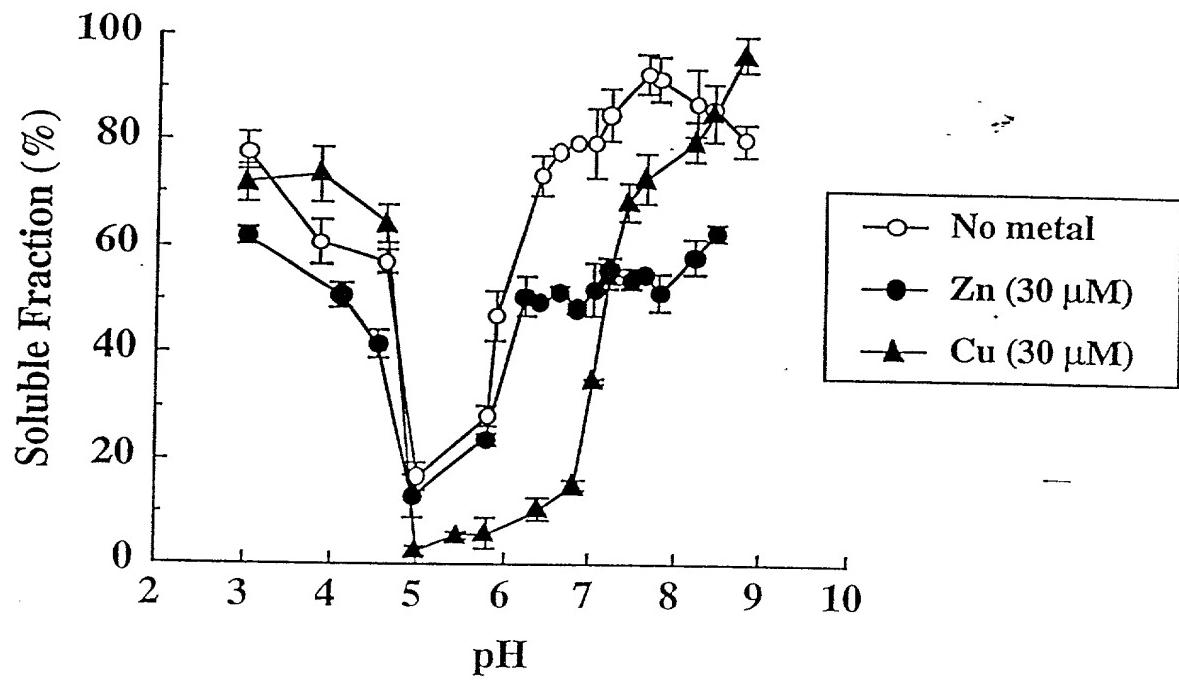


Fig. 4 A

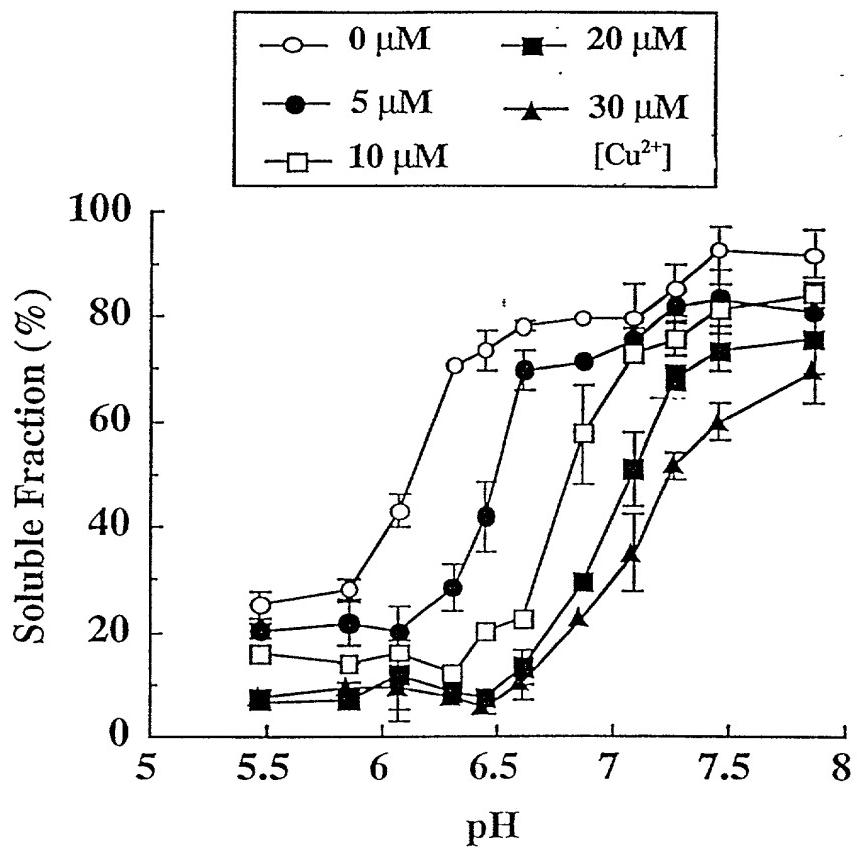


Fig 4B.

Relative Signal

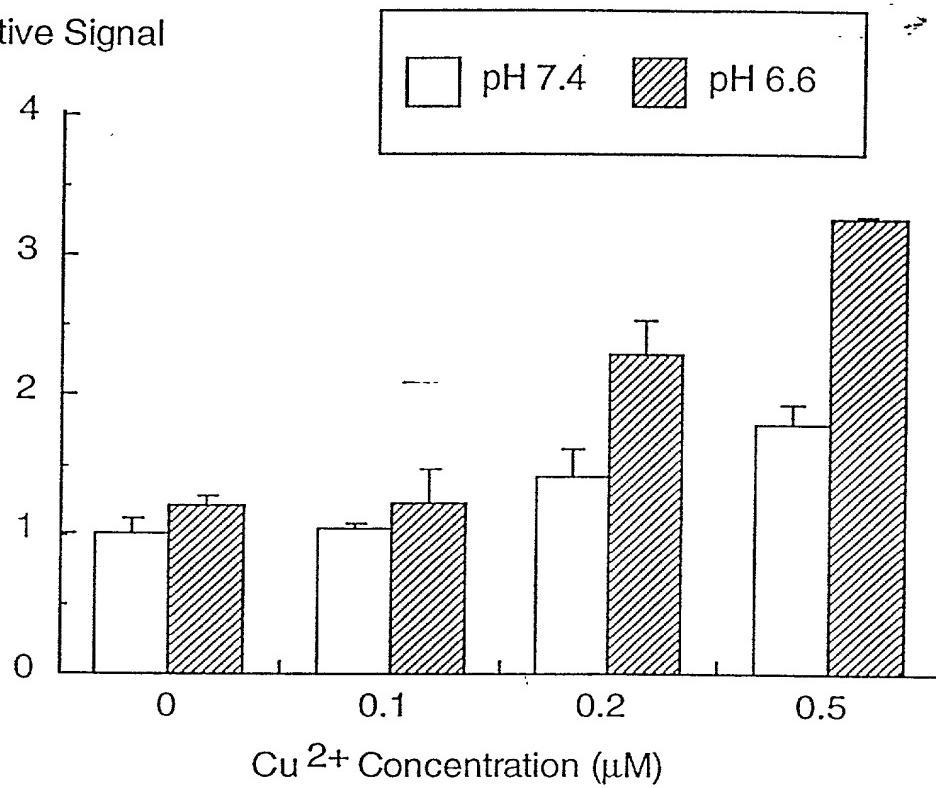


Fig. 4C

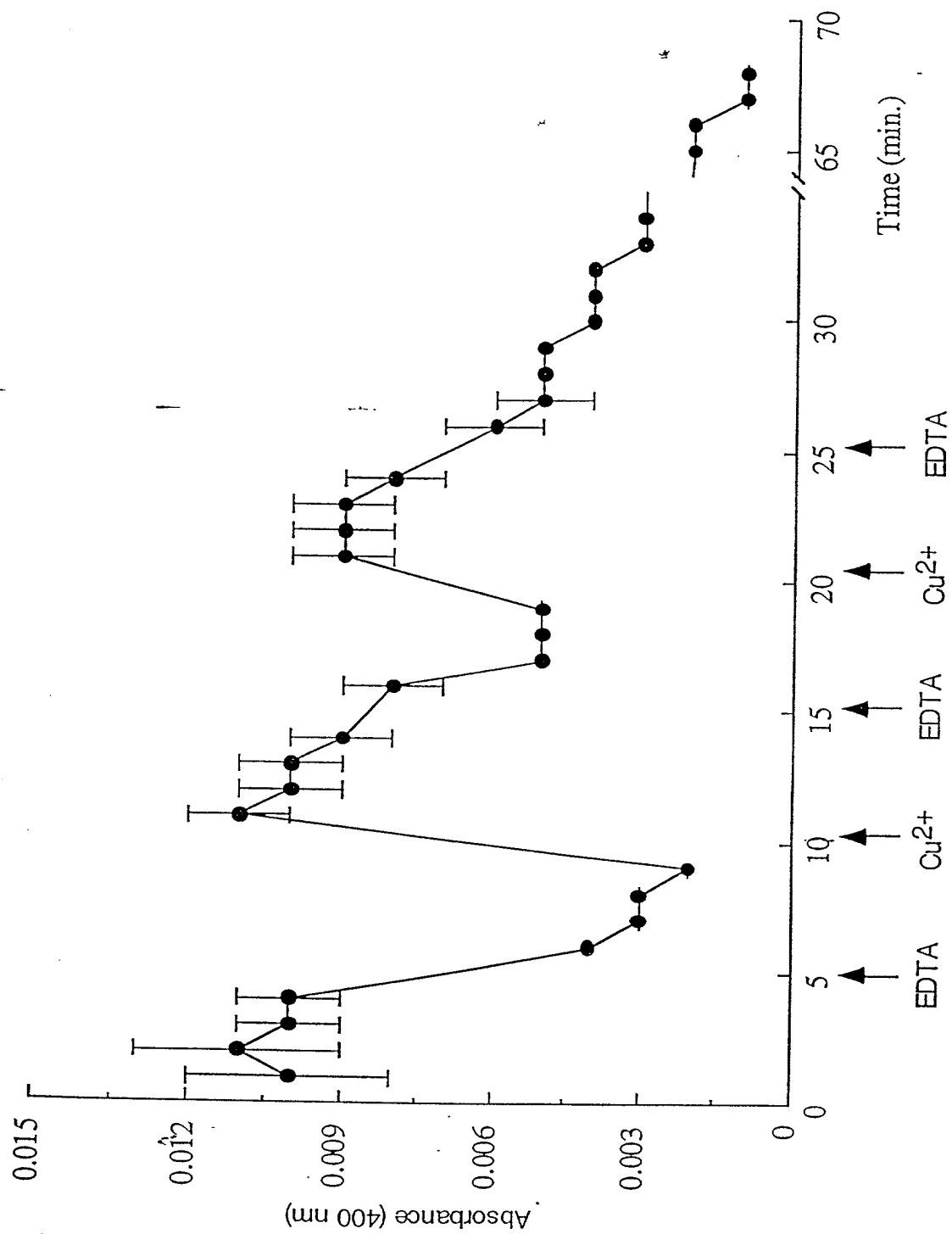


Fig. 5 A

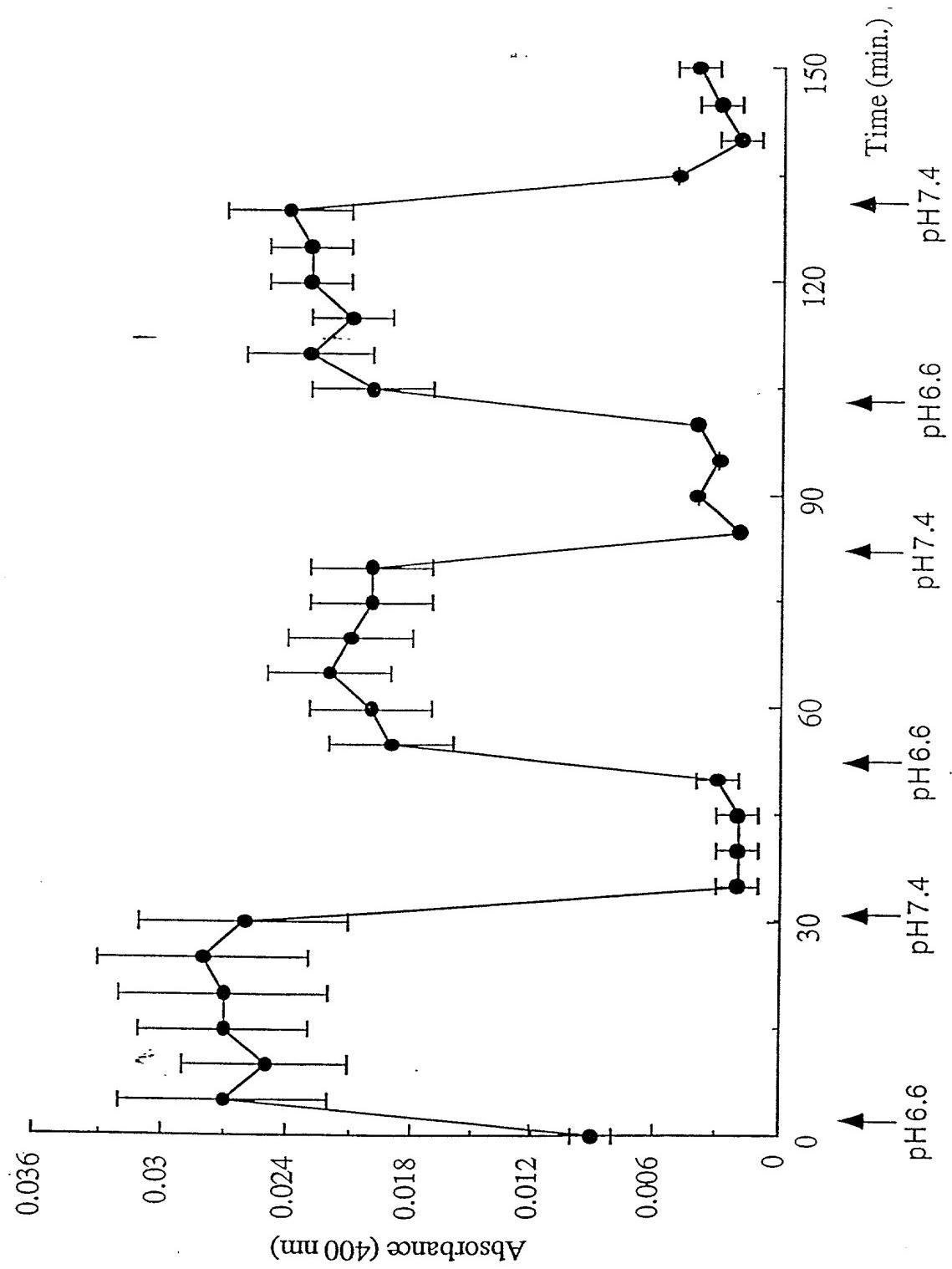


Fig. 5B

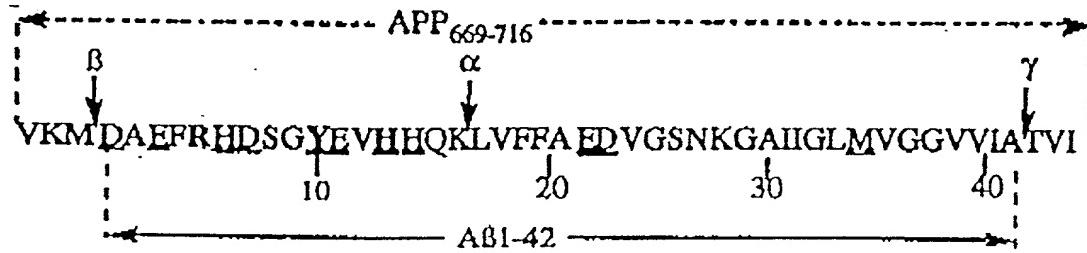


Fig 6

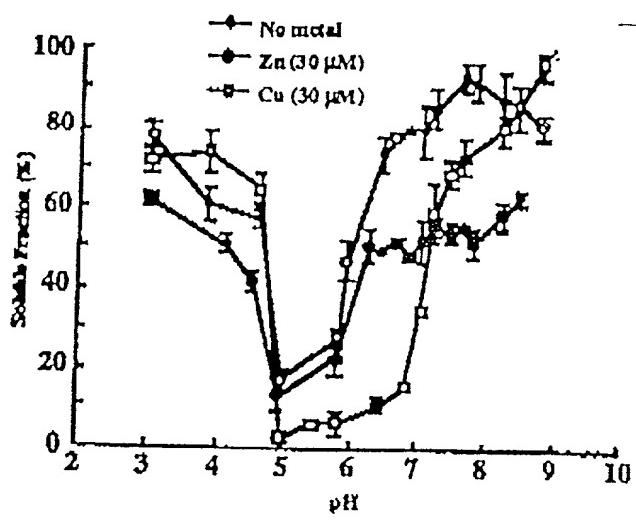


Fig. 7

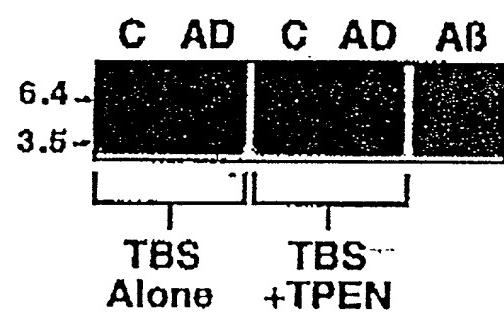


Fig. 8

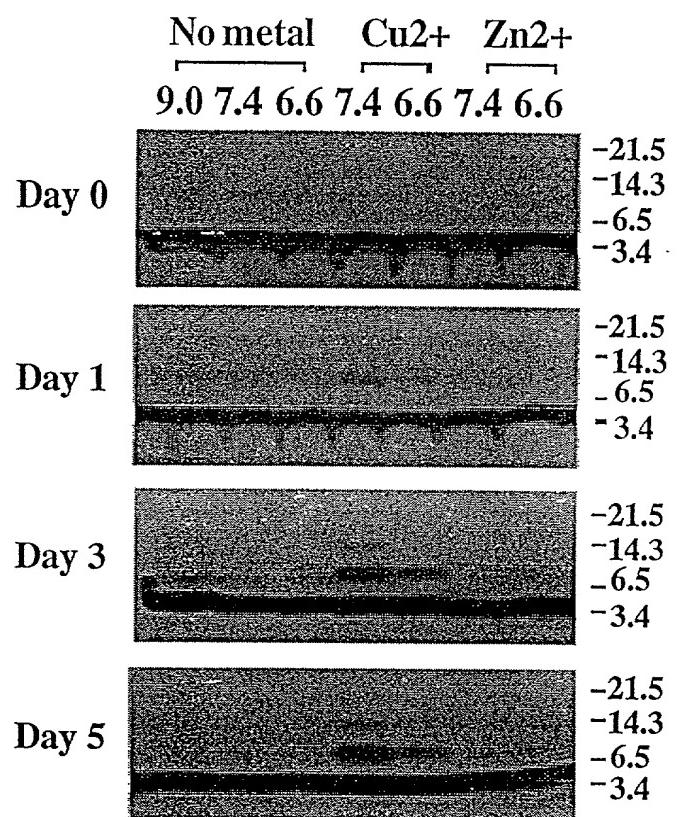
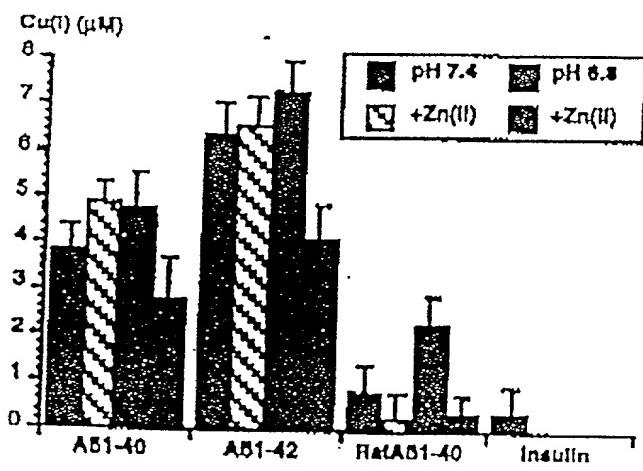


Fig.: 9



*Fig. 10

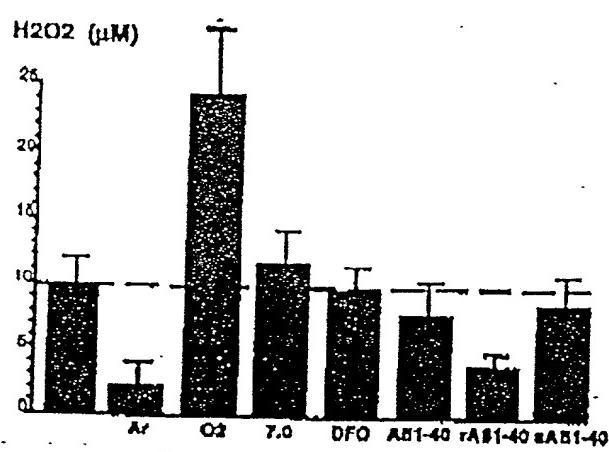


Fig. 11

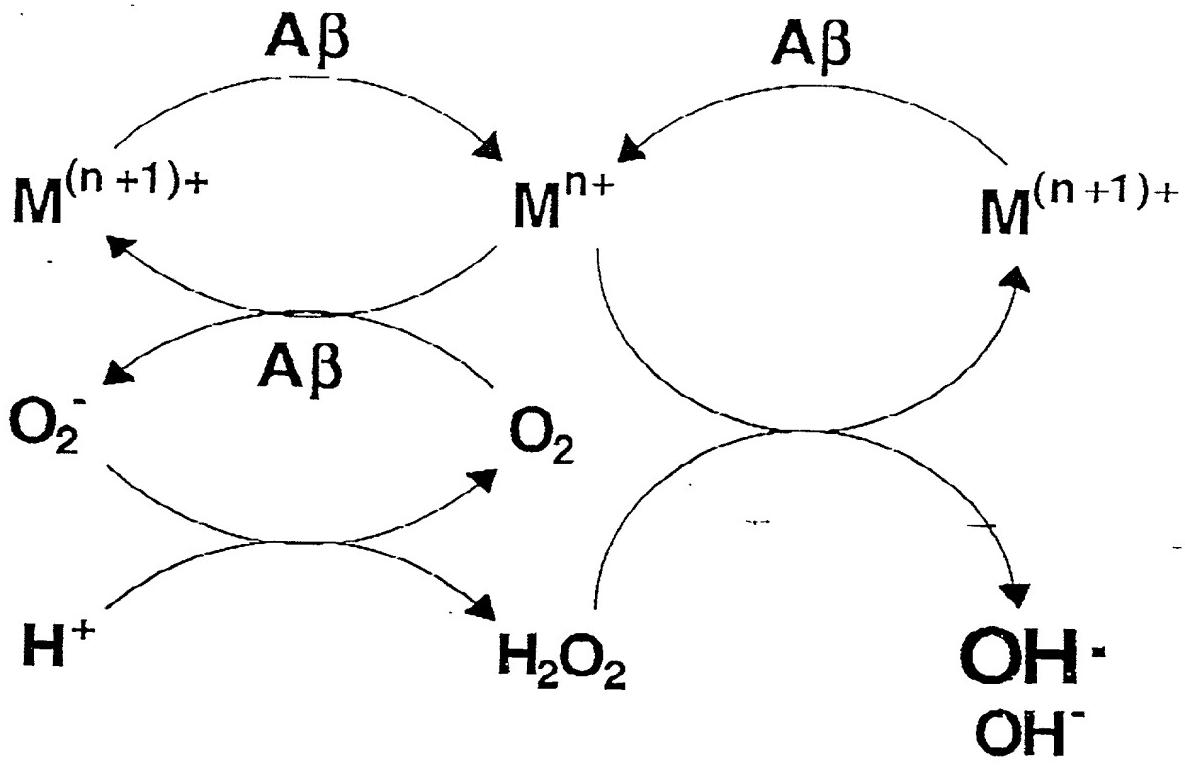


Fig. 12

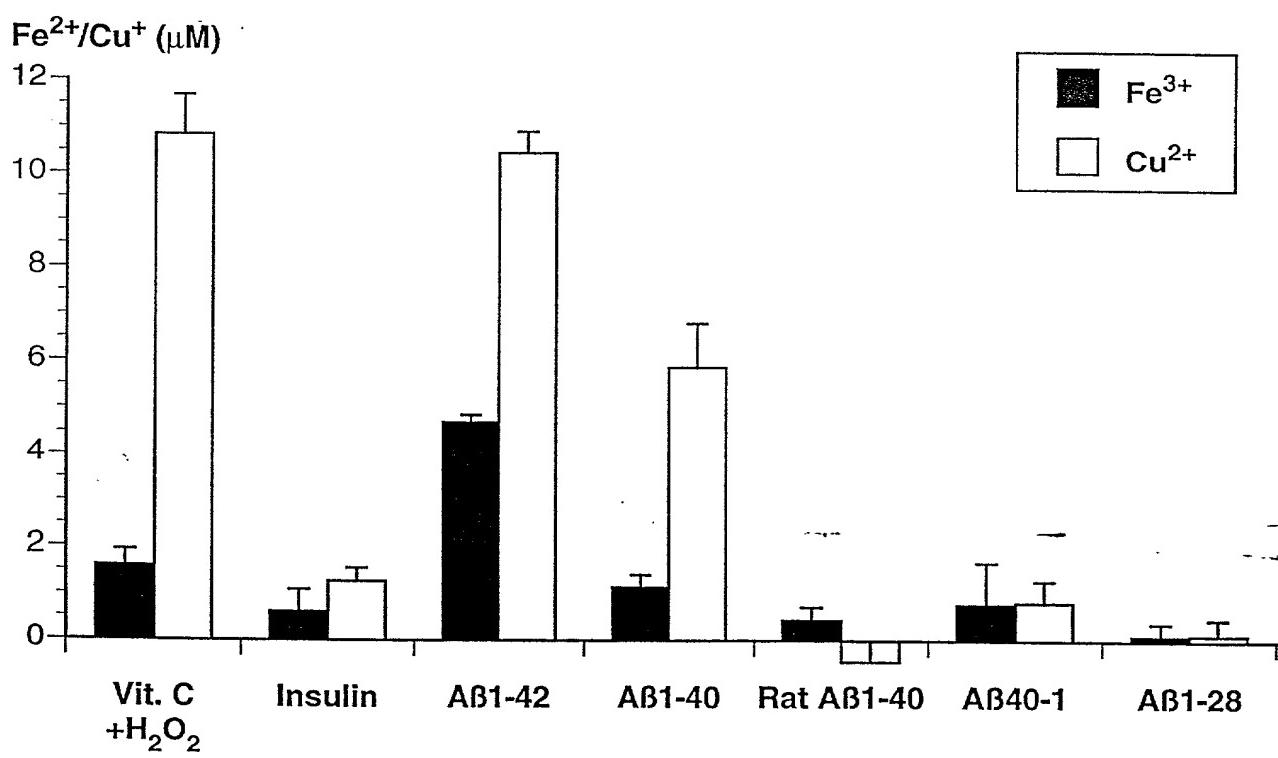


Fig. 13A

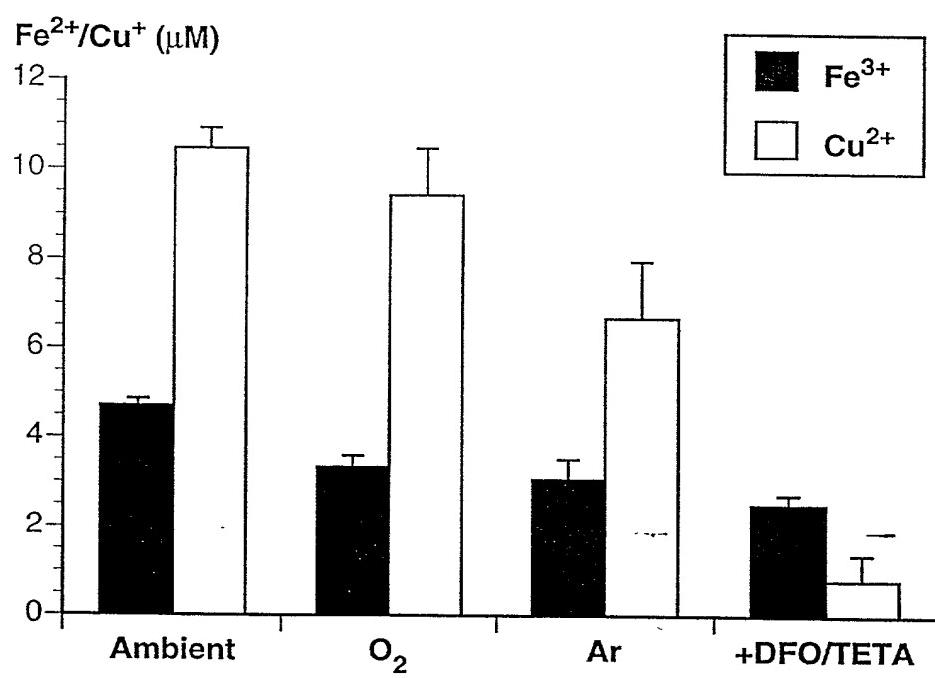


Fig. 13B

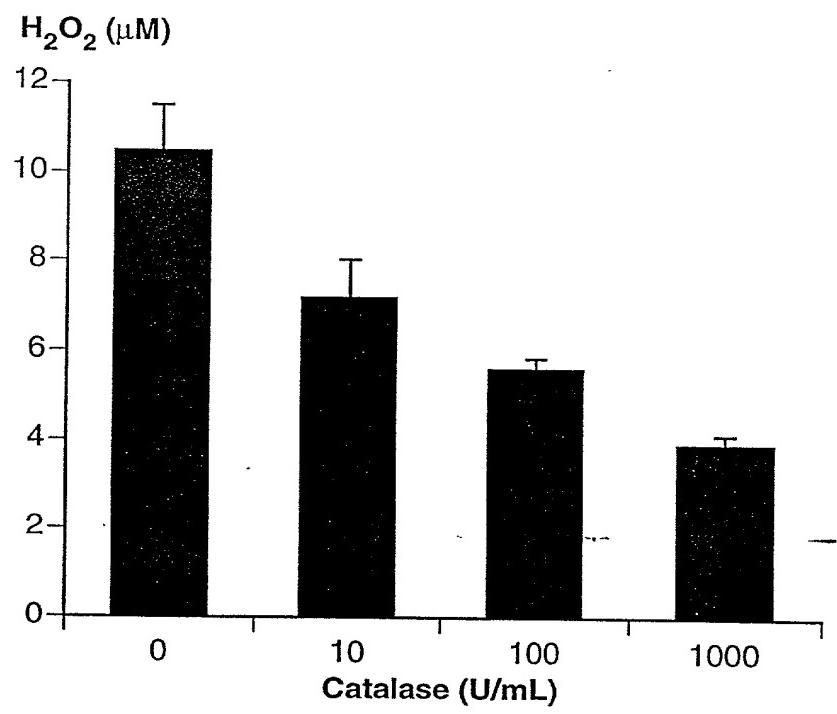


Fig. 14 A

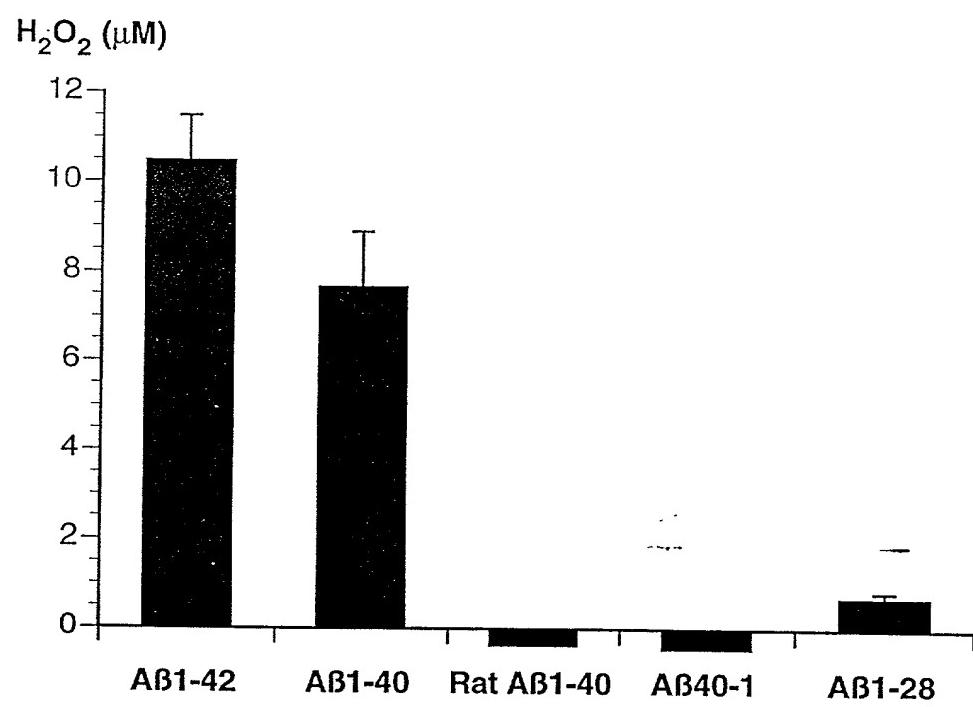


Fig. 14B

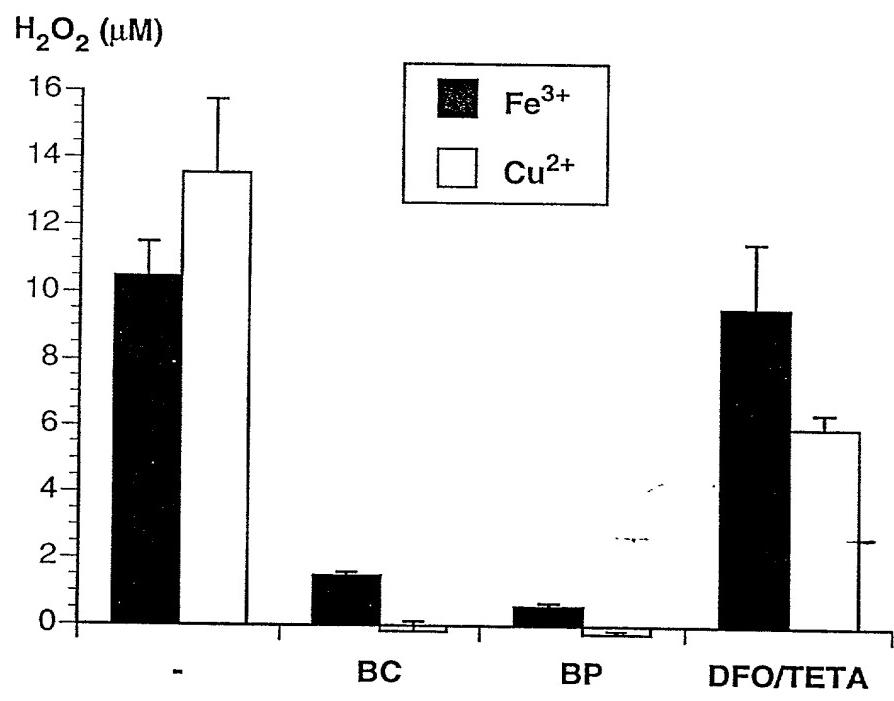


Fig. 14C

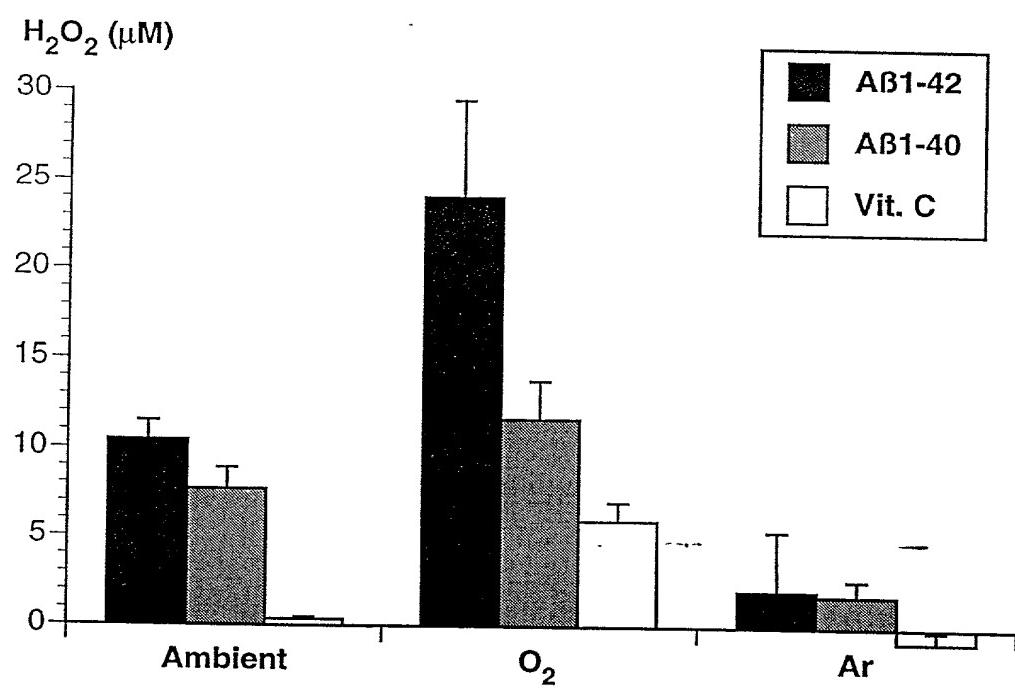


Fig. 14D

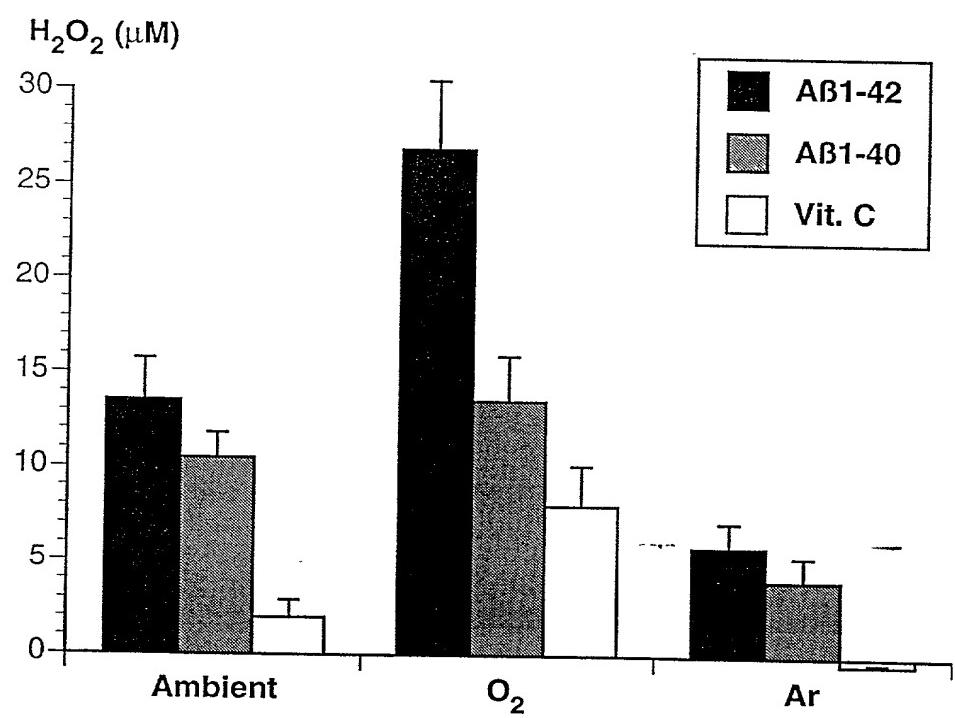


Fig. 14E

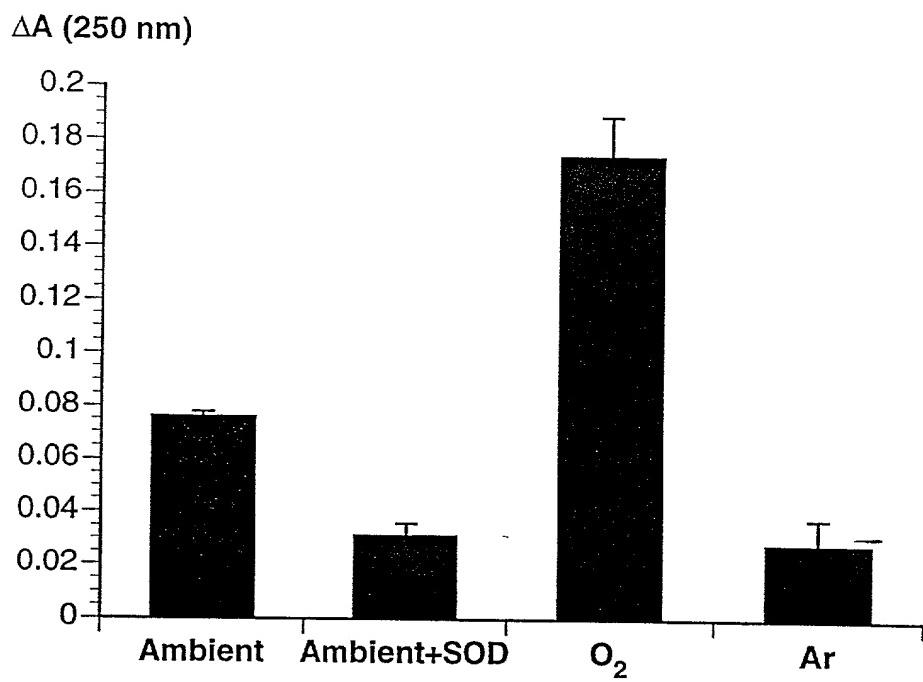


Fig. 15A

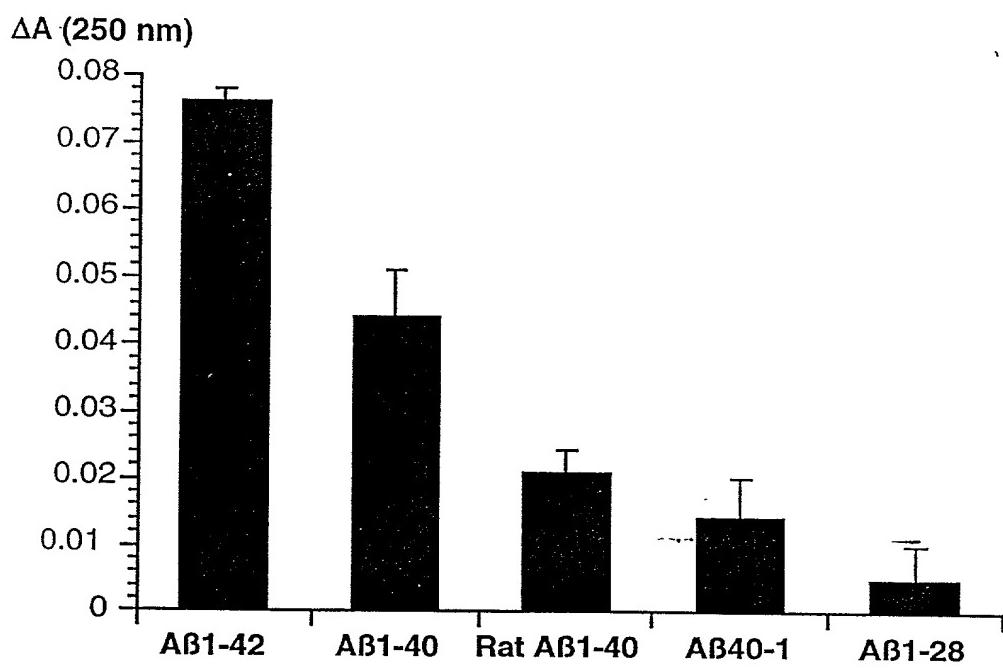


Fig. 15B

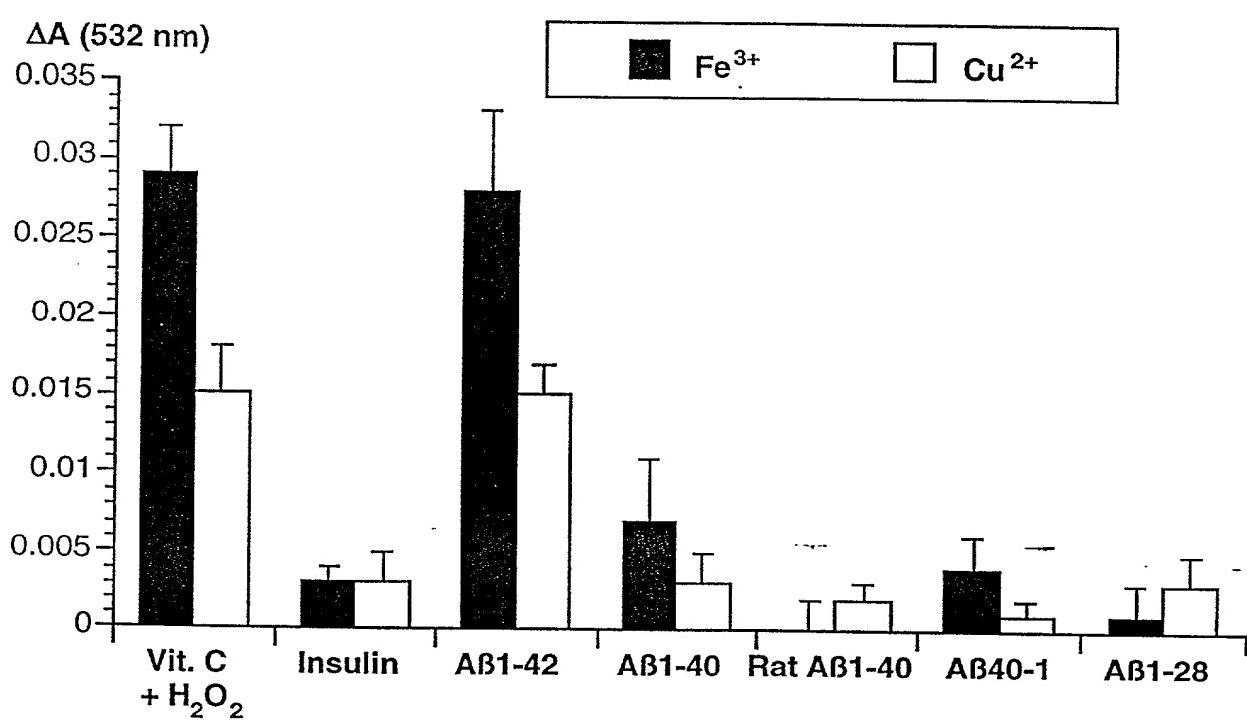


Fig. 16A

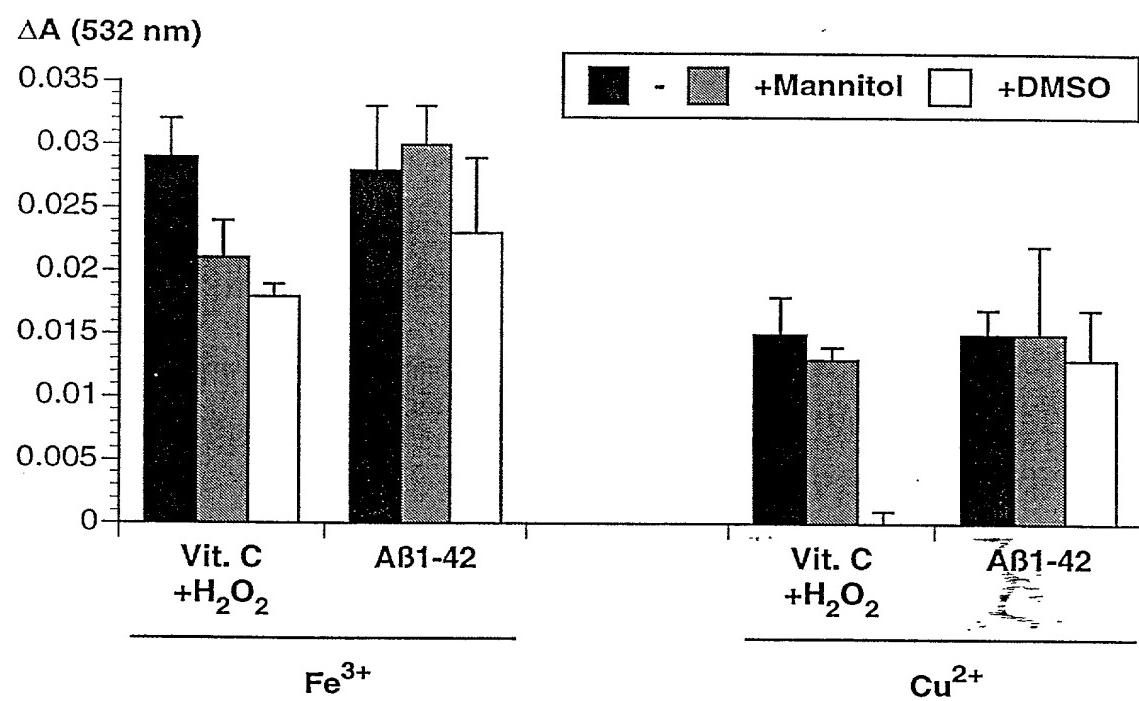


Fig. 16B

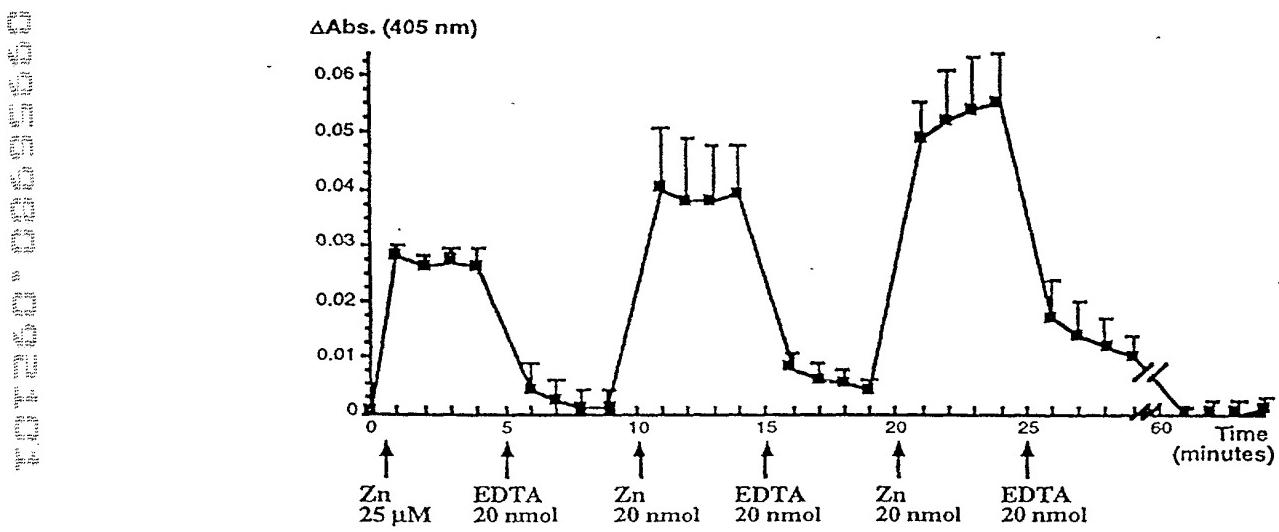


Fig. 17

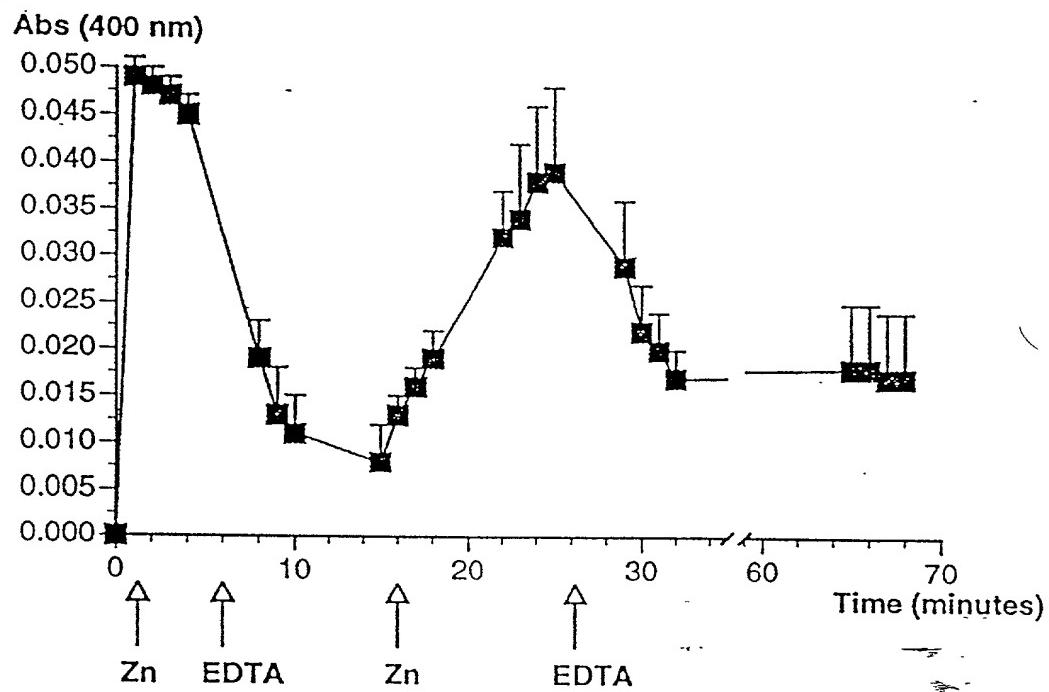


Fig. 18

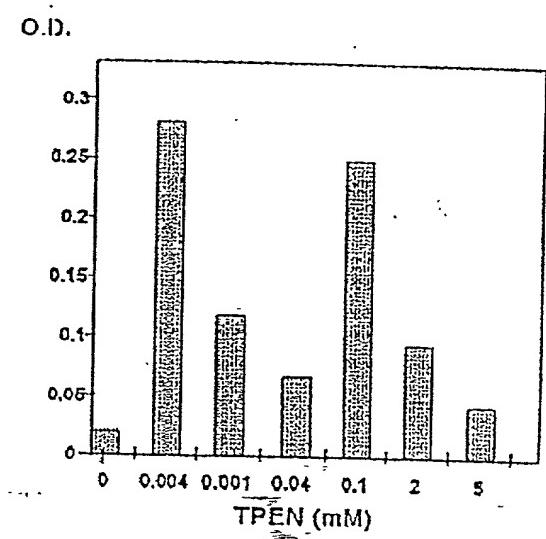
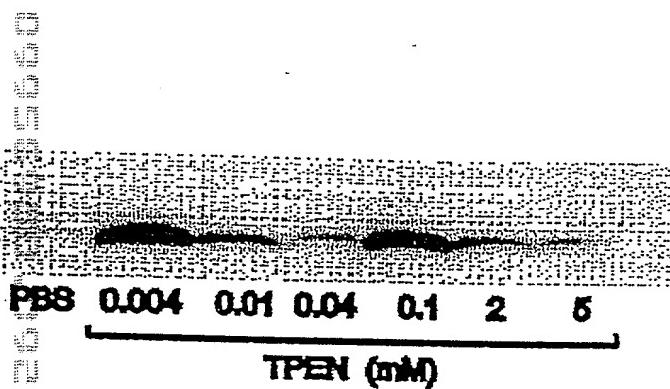


Fig. 19A

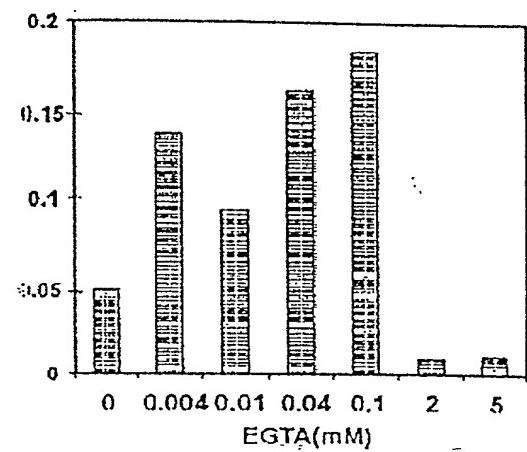
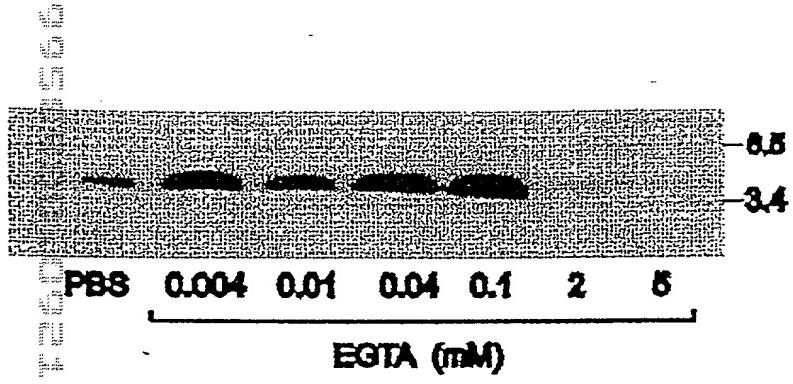


Fig. 19B

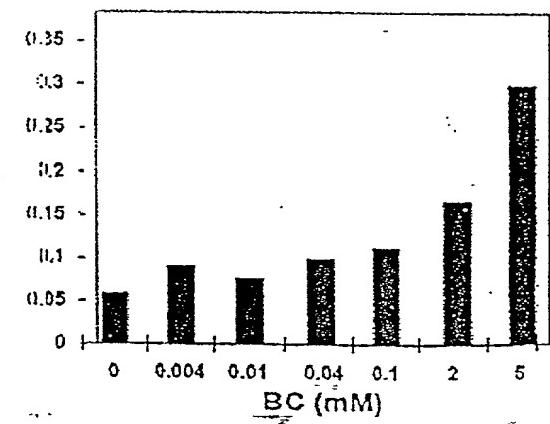
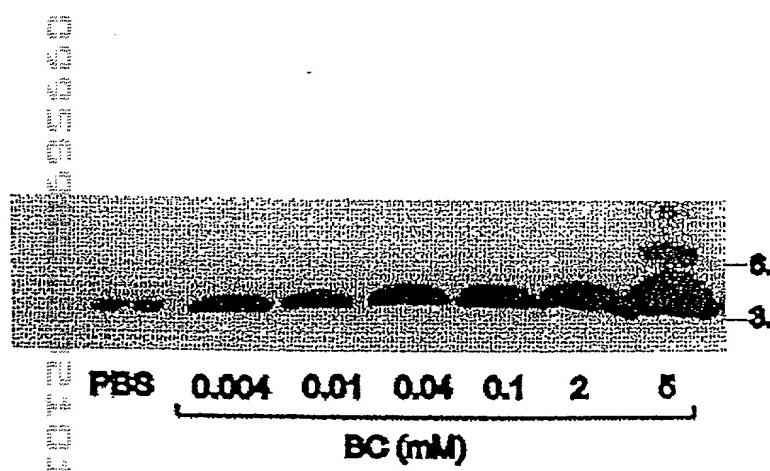
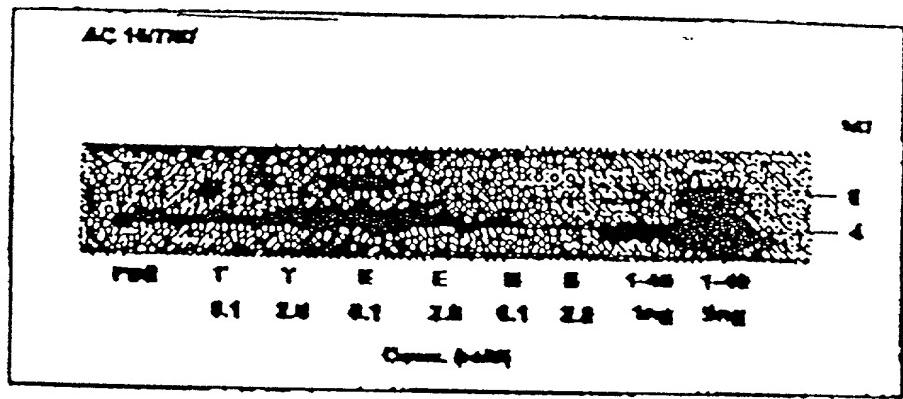


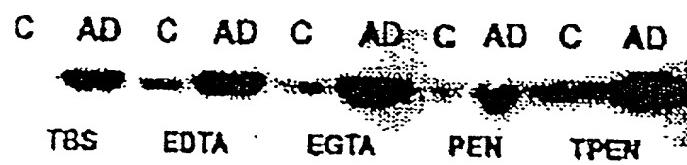
Fig. 19C

AC 147787



Age-matched control- (indicative gel)

Fig. 20A



Young control vs AD, various chelators 5mM

Fig. 20B

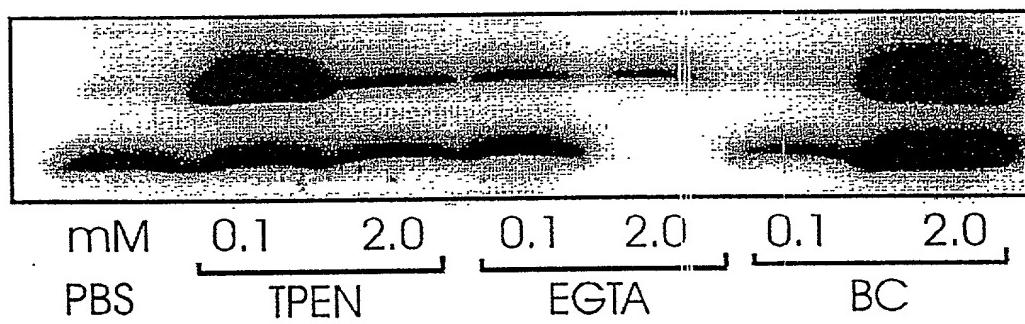


Fig. 21

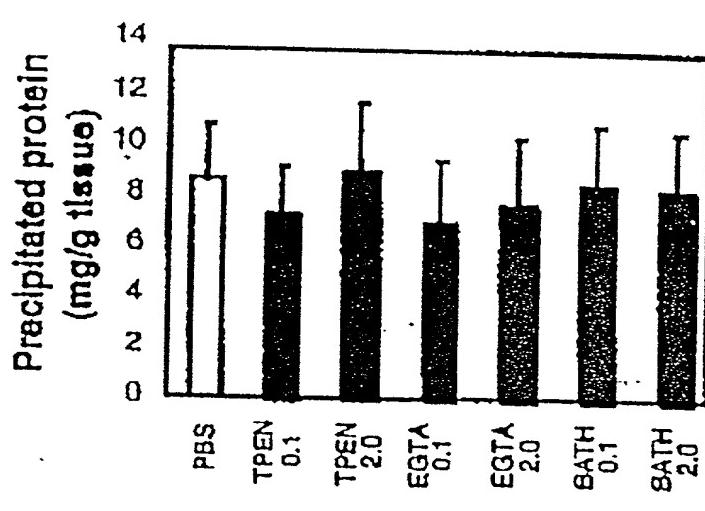


Fig. 22

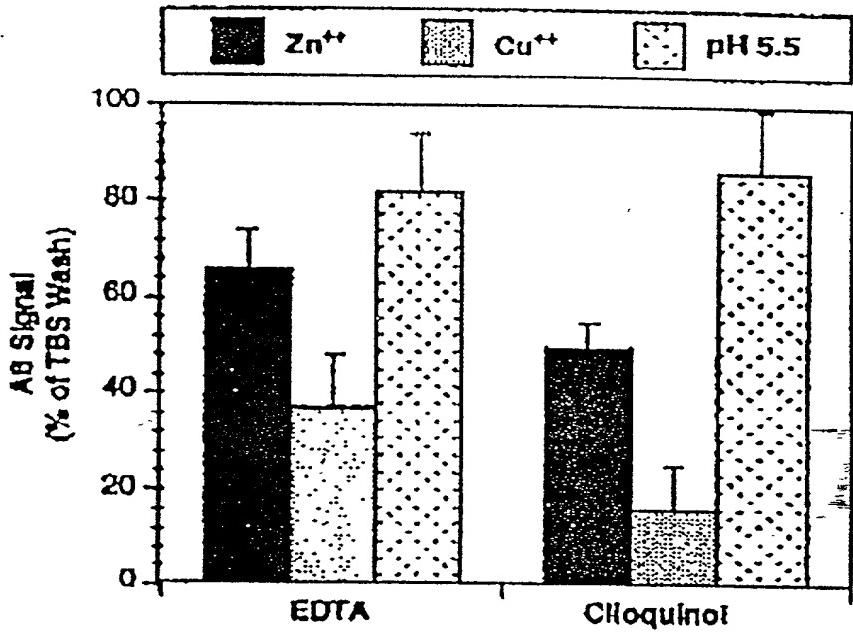


Fig. 23

0 2 4 6 8 10 12 14 16 18 20

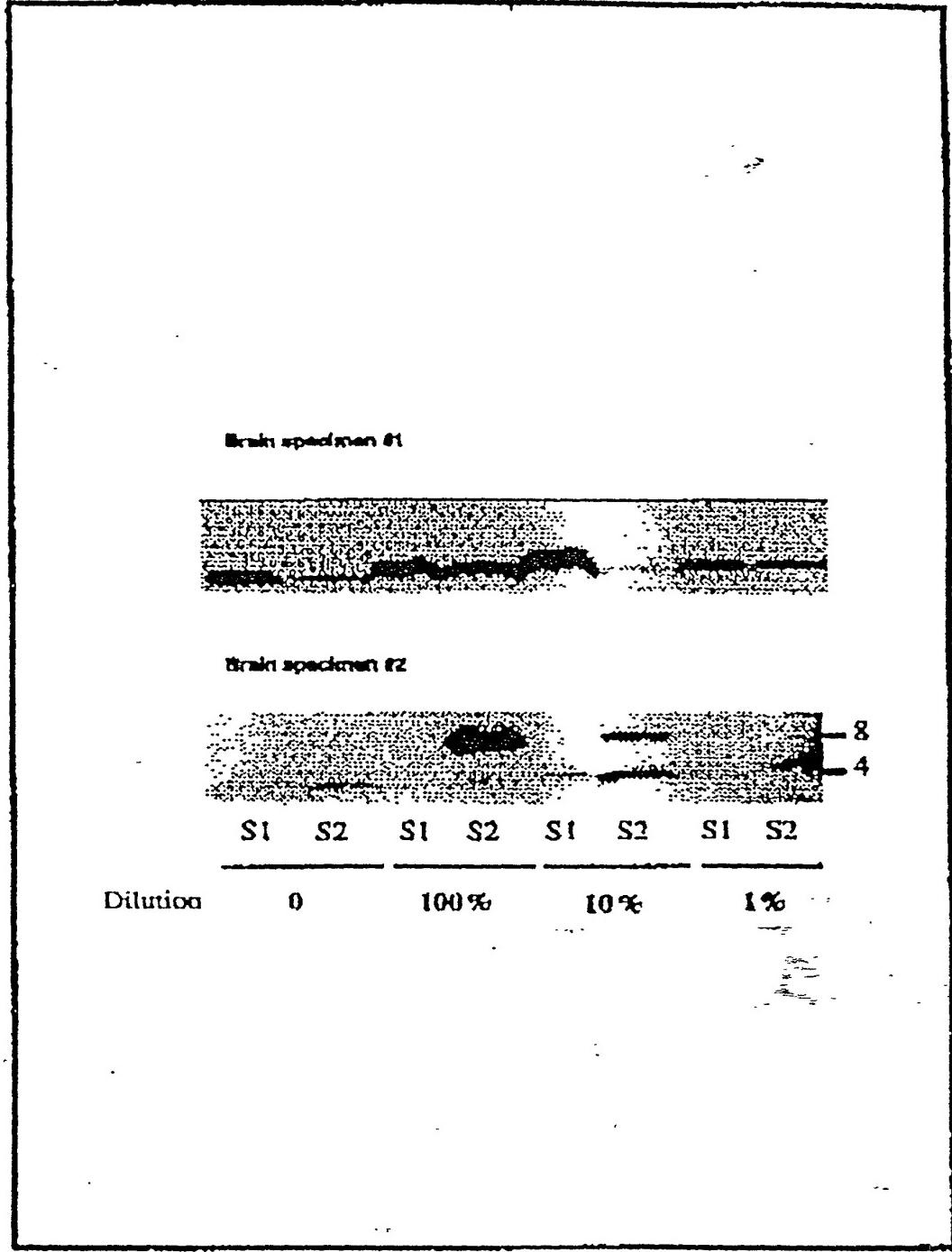


Fig. 24

100% 1% 10% 40% 70% 100% 1-40 1-40
0.5ng 2ng

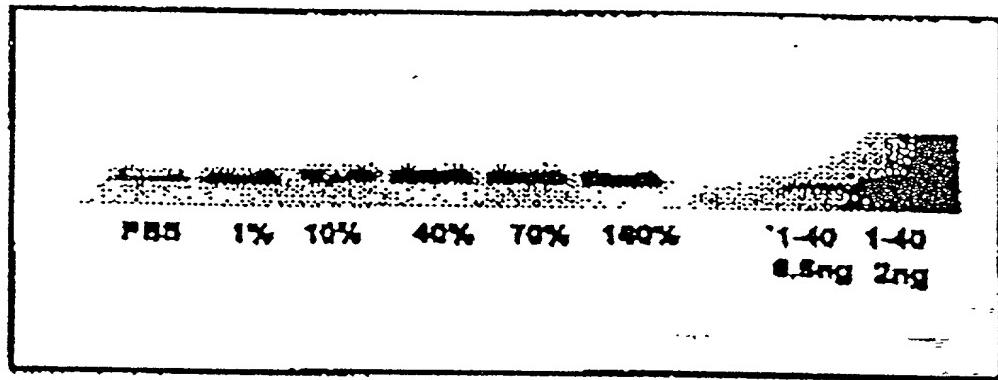


Fig. 25A

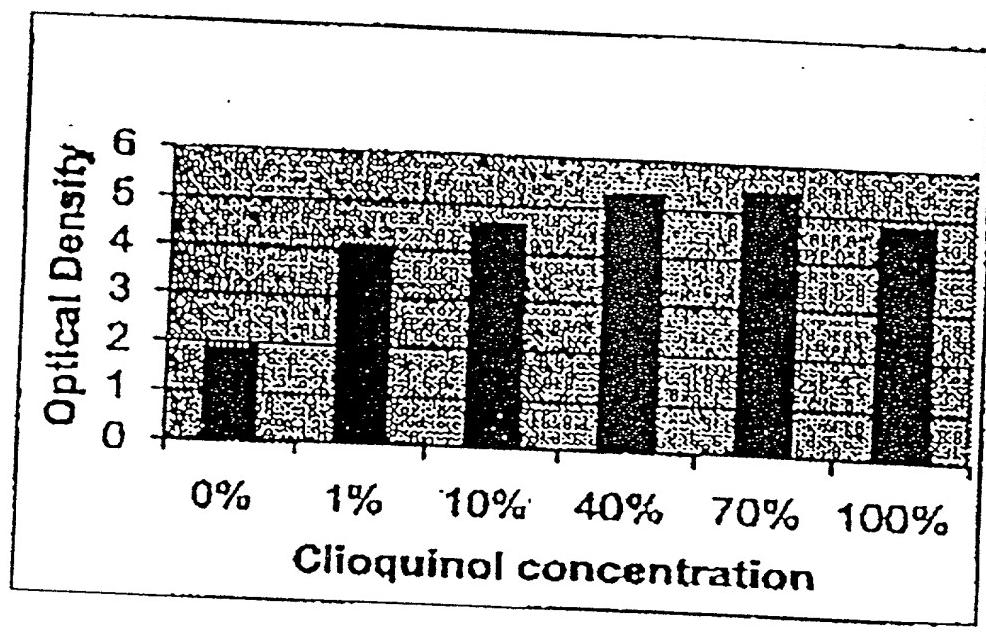
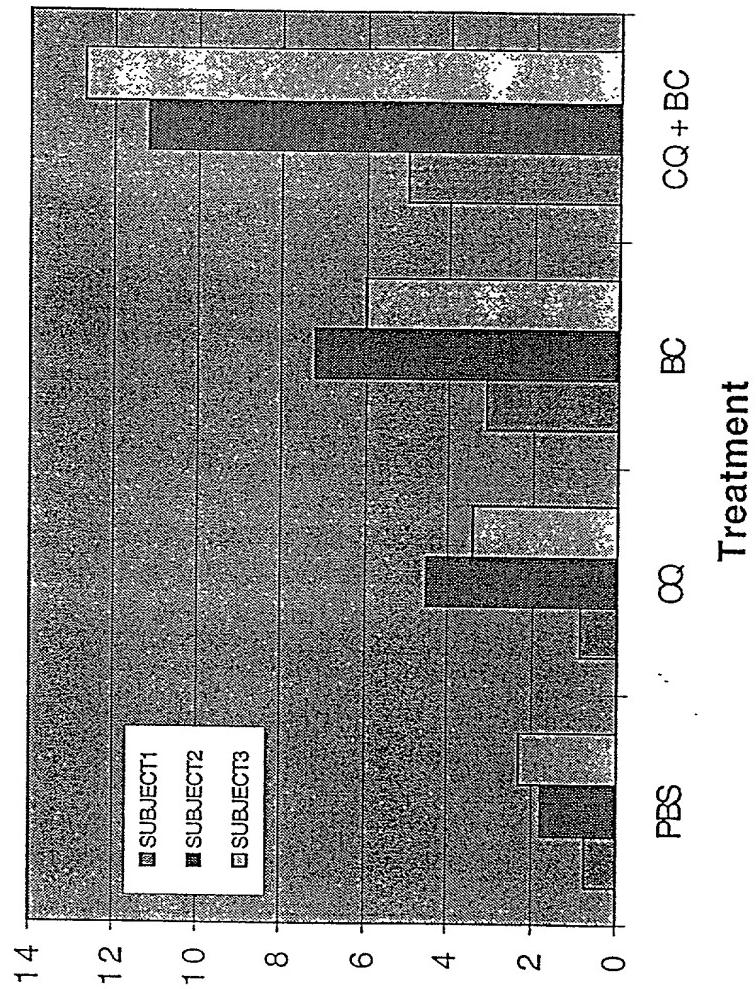


Fig. 25B

Fig. 2



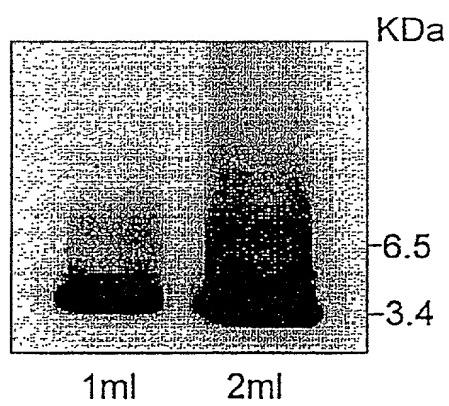


Fig. 27

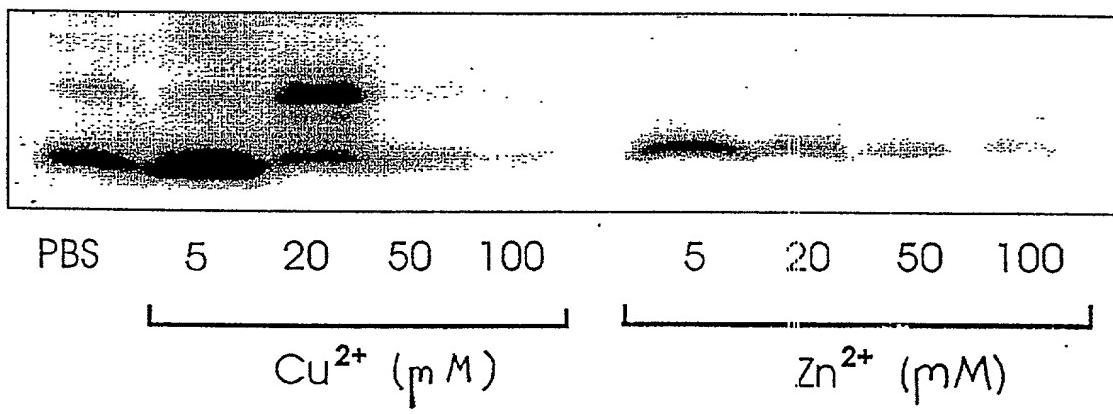
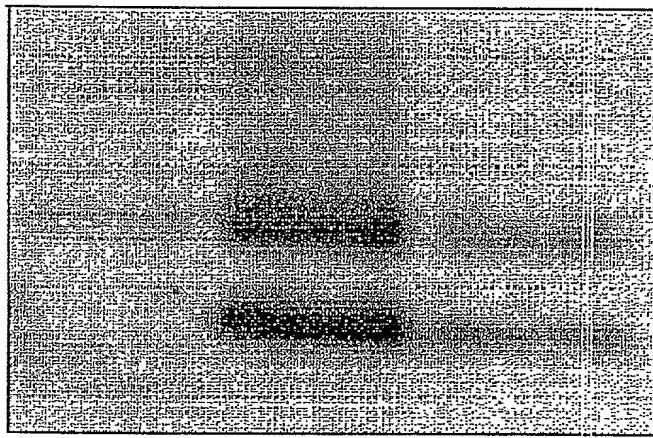


Fig. 28A



PBS Mg^{2+} Ca^{2+}

Fig. 28B

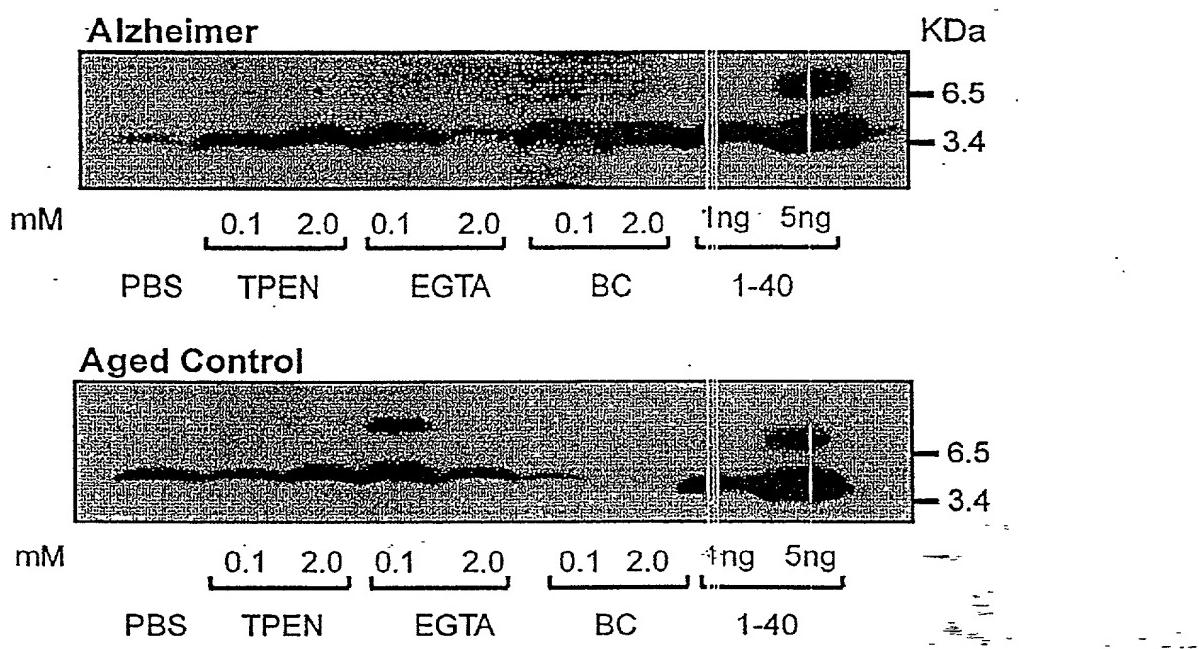


Fig. 29A

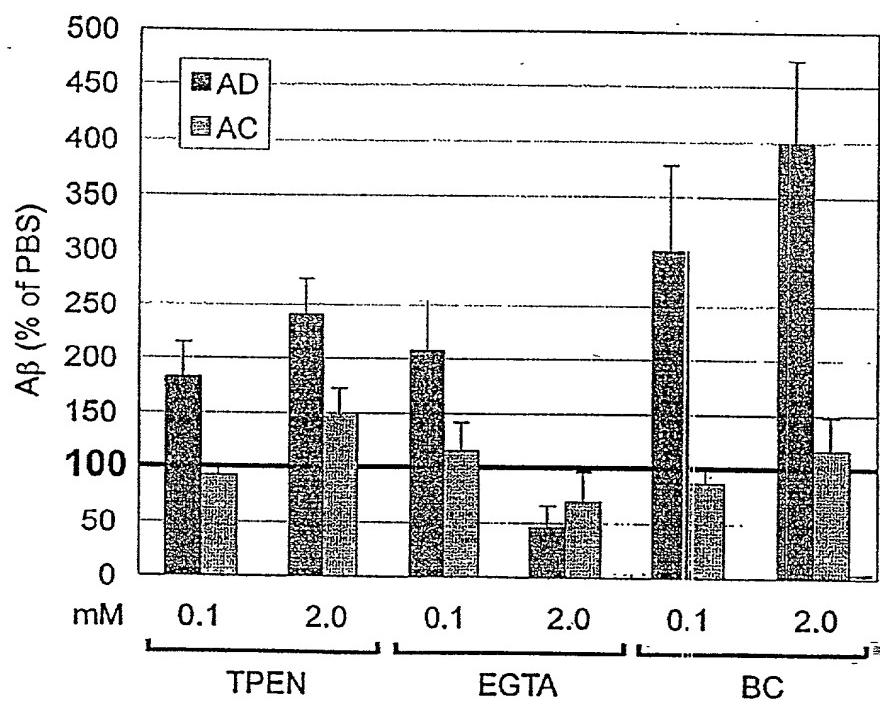


Fig. 29B

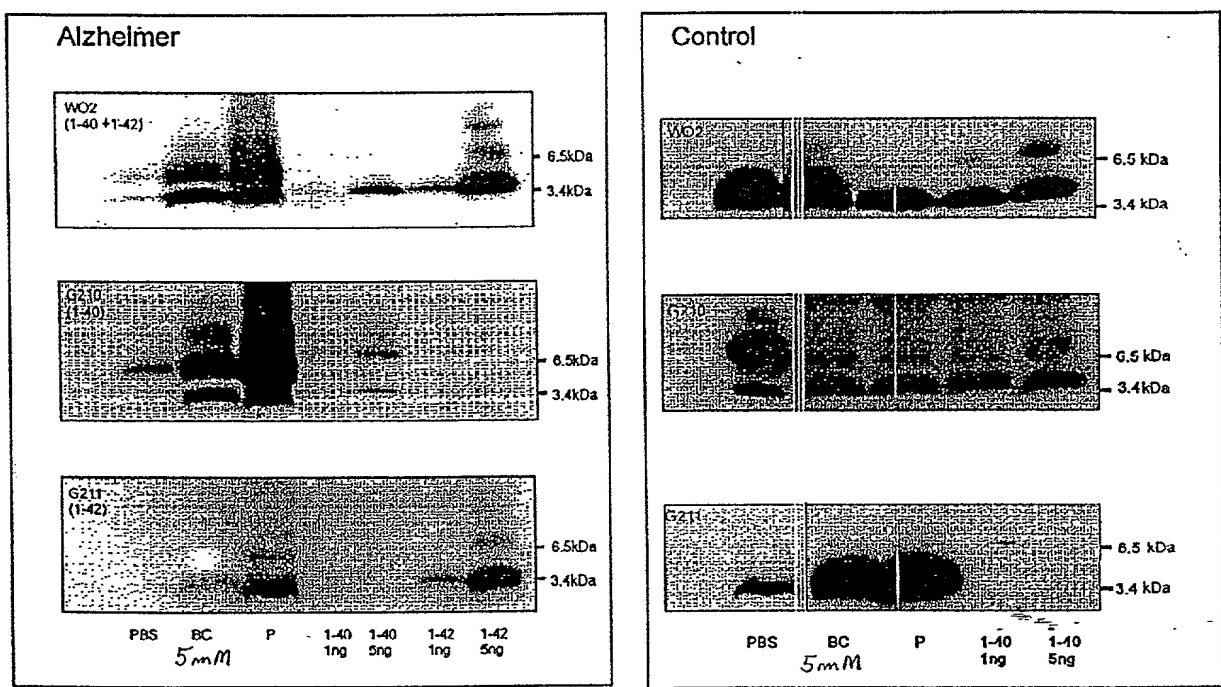
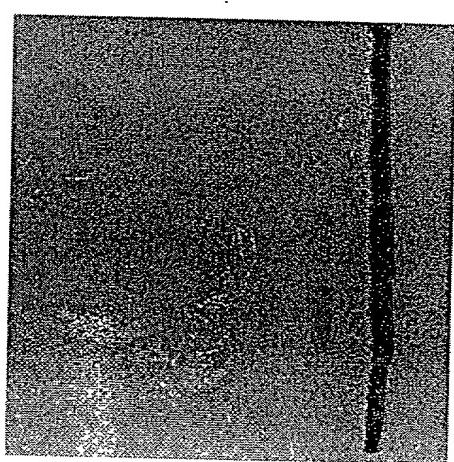


Fig. 30

A β 1-40

Metal	-	Cu	Cu	Fe	Fe
pH	7.4	7.4	6.6	7.4	6.6

Day 0



Day 3

A β 1-42

Metal	-	Cu	Cu	Fe	Fe
pH	7.4	7.4	6.6	7.4	6.6

- 21.5
- 14.3
- 6.4
- 3.5

- 21.5
- 14.3
- 6.4
- 3.5

t_{1/2}
Li⁺

Rat A β 1-40

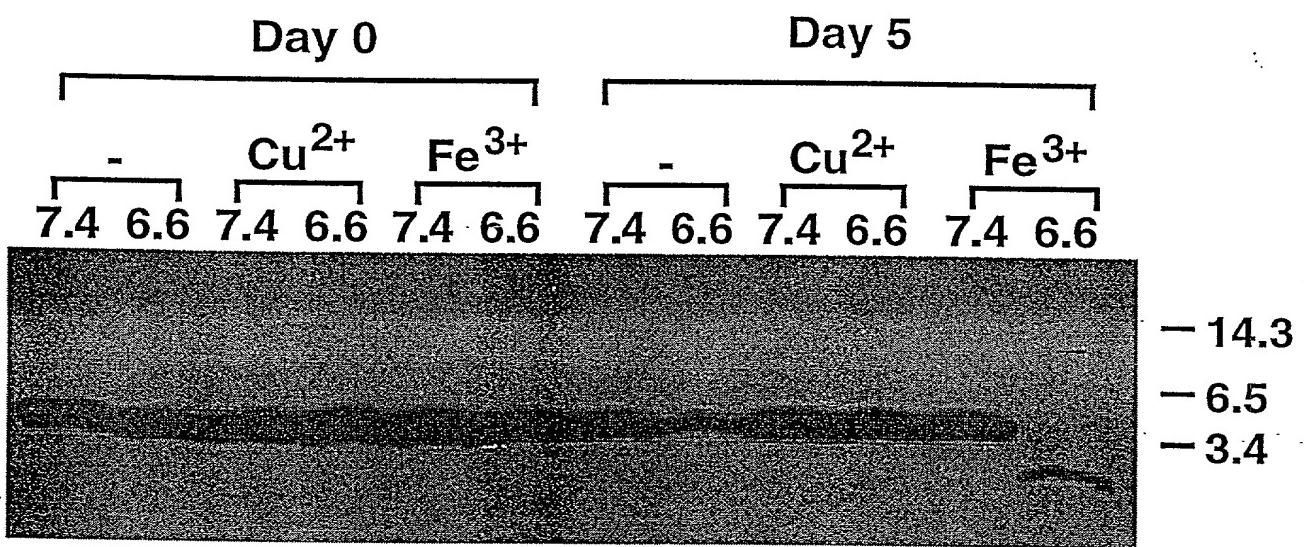


Fig. 31B

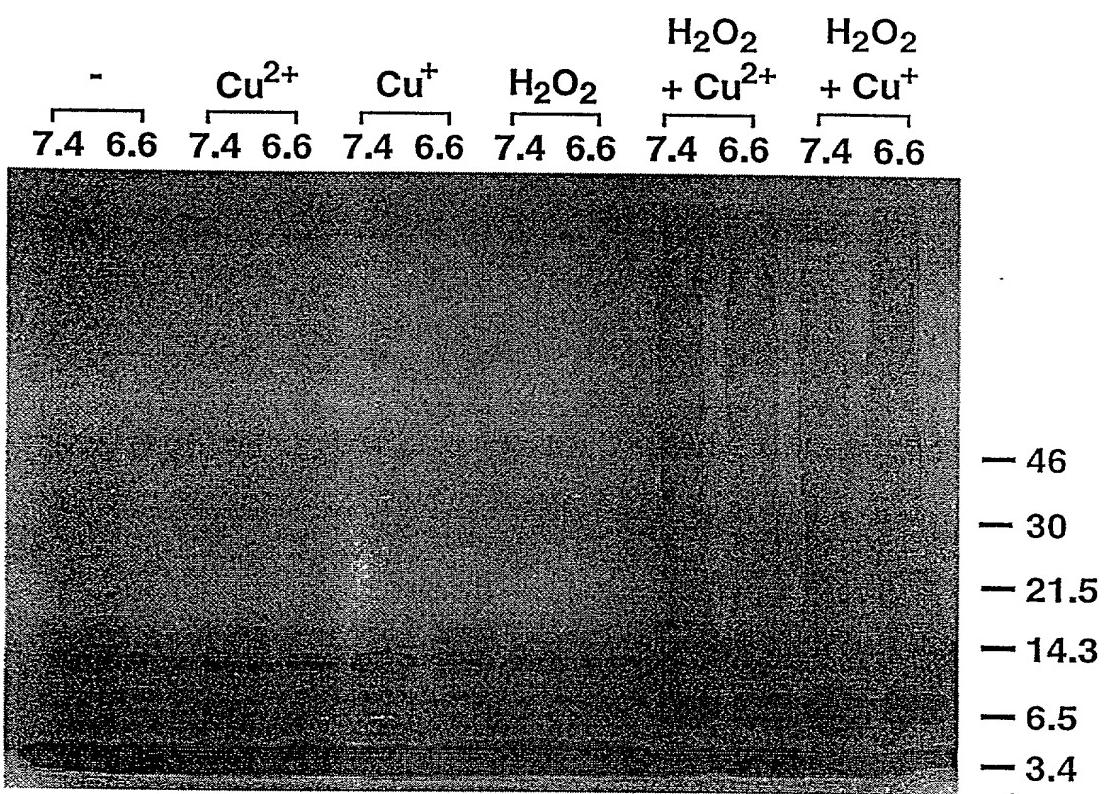


Fig. 32A

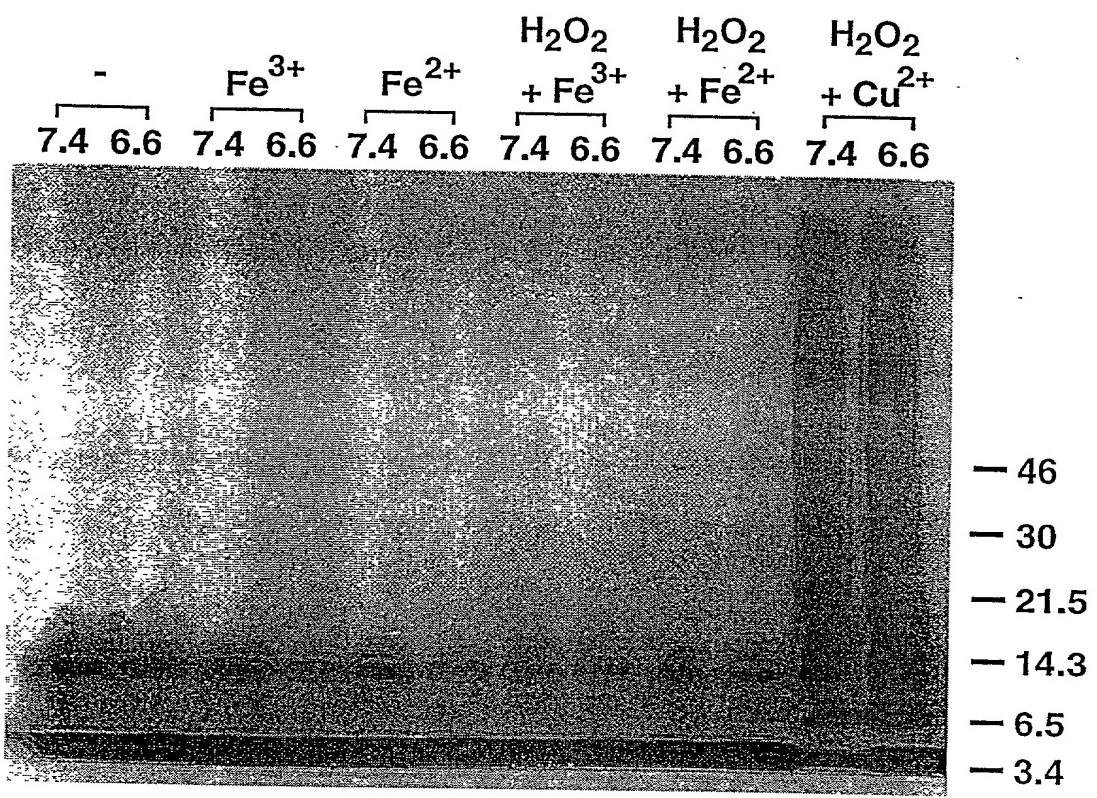


Fig. 32B

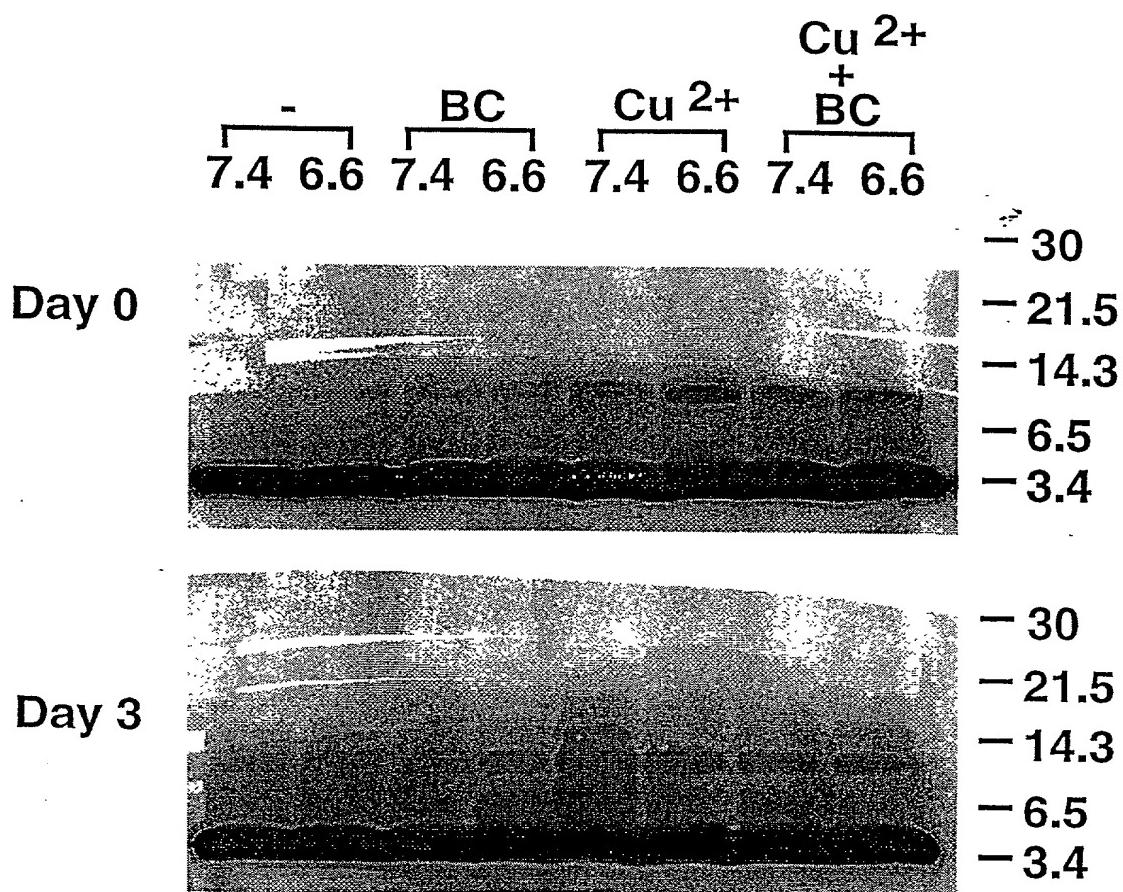


Fig. 32C

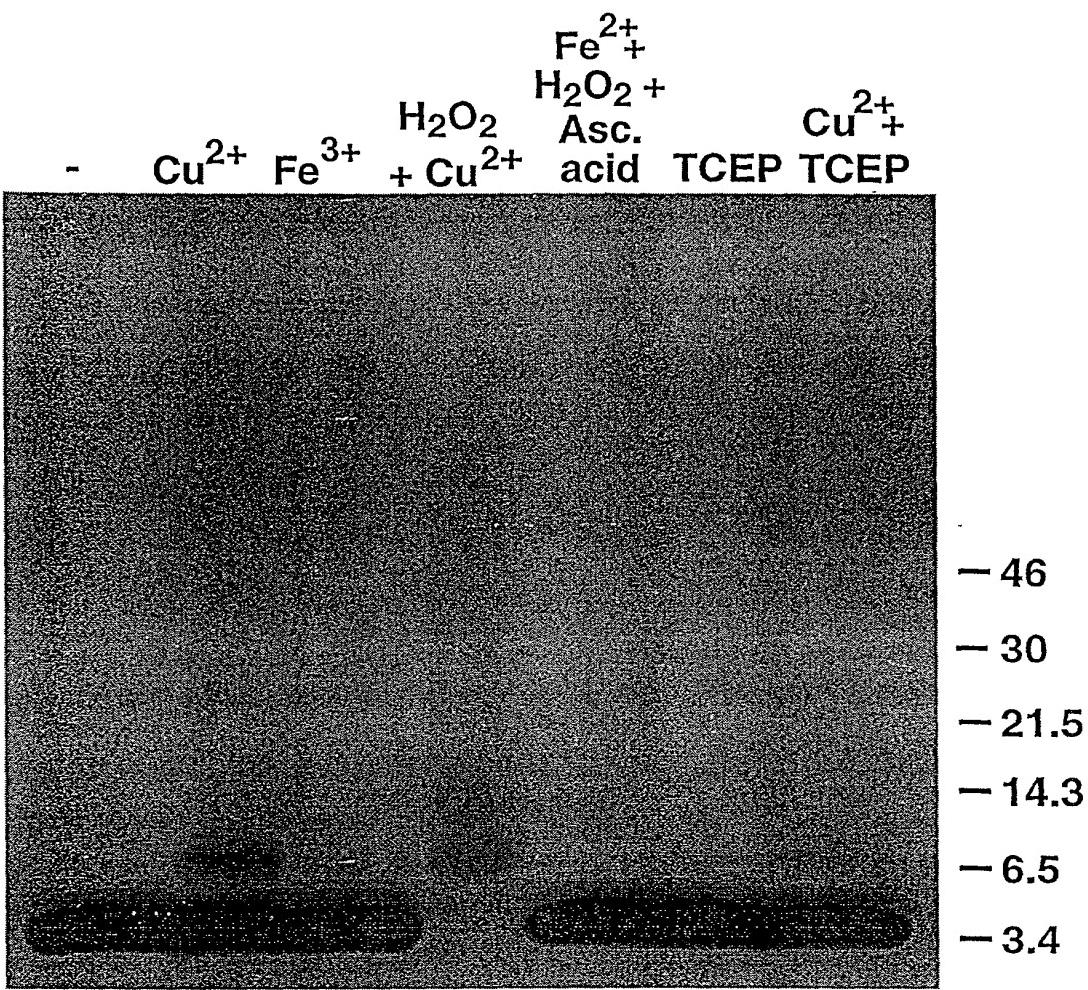


Fig. 33A

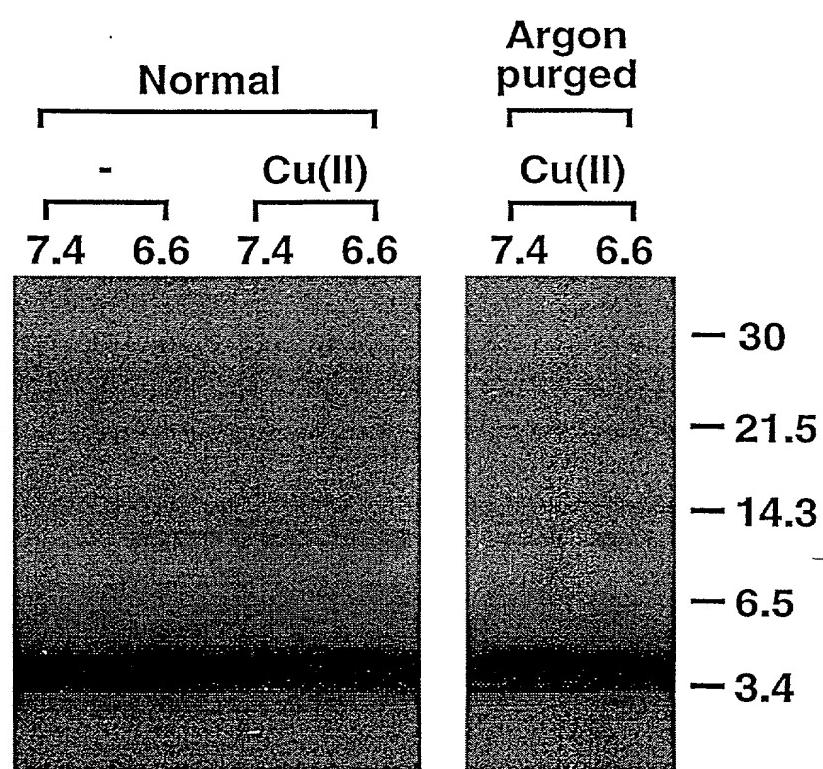


Fig. 33B

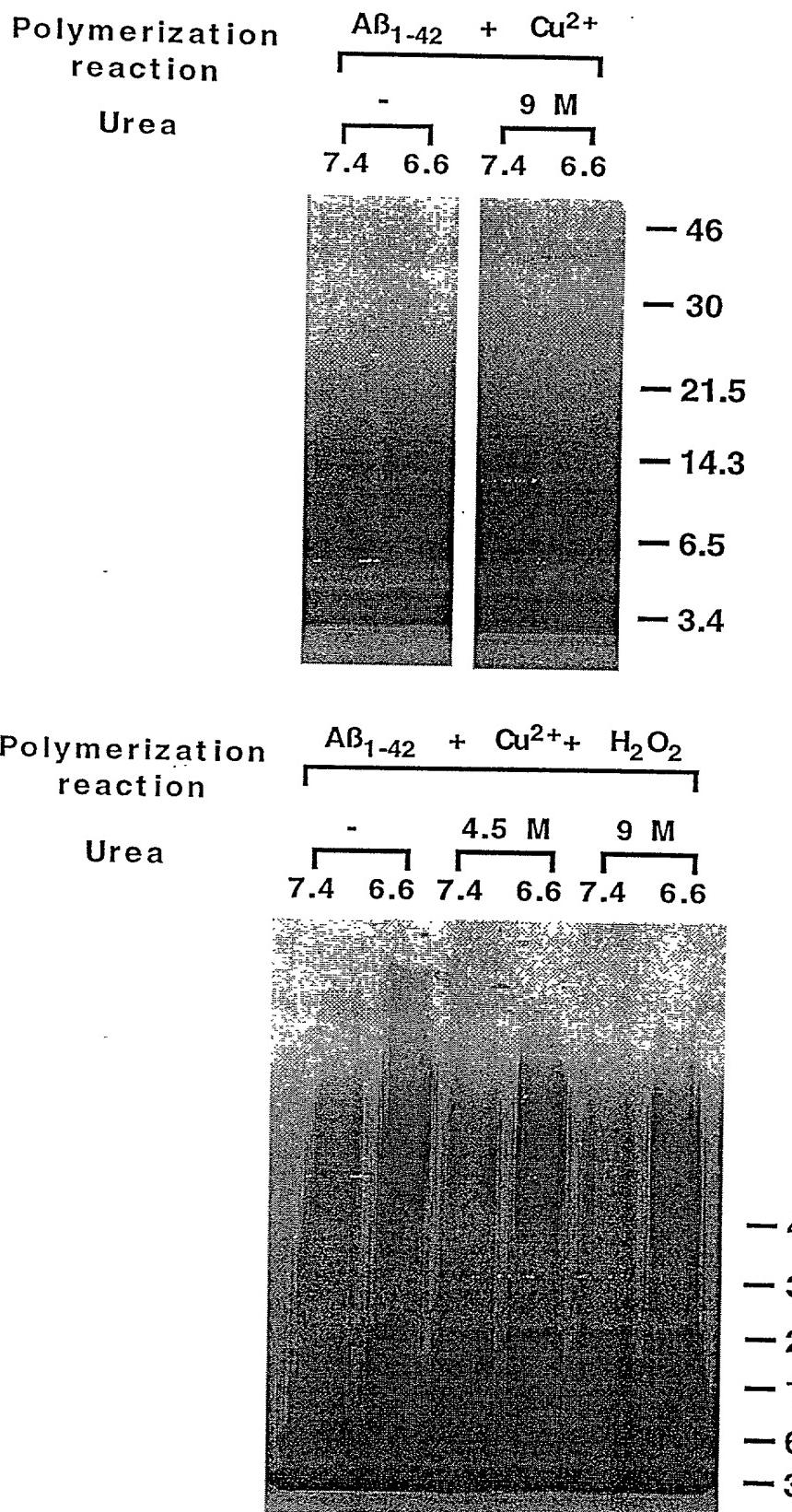


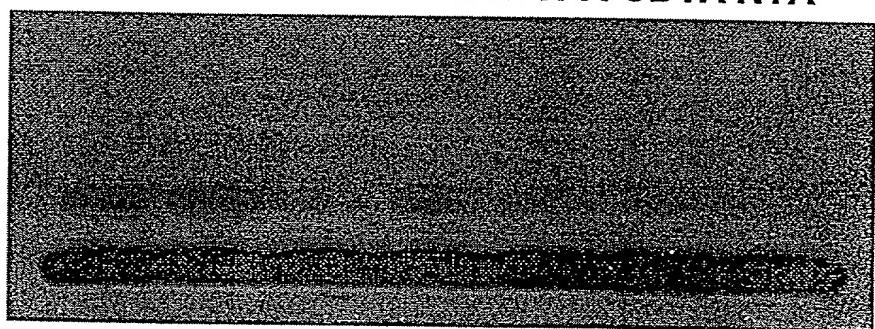
Fig. 34A

Polymerization $\text{A}\beta_{1-40}$ (2.5 μM) + Cu^{2+} (30 μM)/5 d incubation
reaction

Chelator
treatment

200 μM chelators/2 h incubation

- TETA EDTA DTPA CDTA NTA



- 21.5
- 14.3
- 6.5
- 3.4

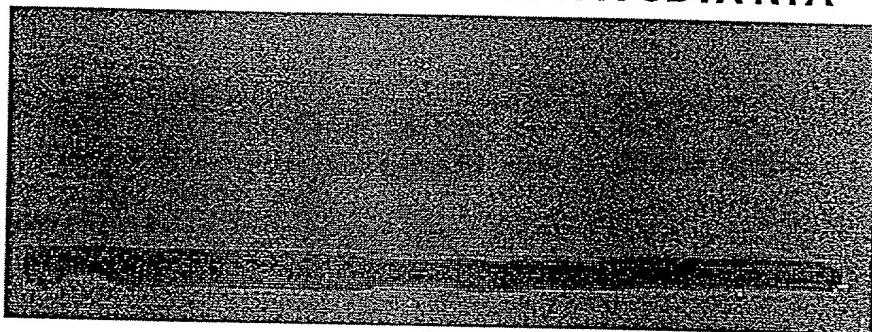
Fig. 34B

Polymerization $\text{A}\beta_{1-42}$ (2.5 μM) + Cu^{2+} (30 μM)/5 d incubation
reaction

Chelator treatment

200 μM chelators/2 h incubation

- - TETA EDTA DTPA CDTA NTA



- 21.5
- 14.3
- 6.5
- 3.4

Fig. 34C

Dissolution treatment

Polymerization reaction

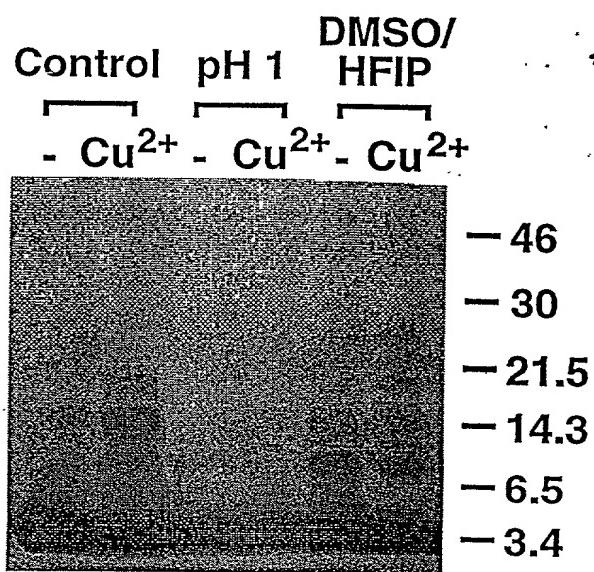


Fig. 34D

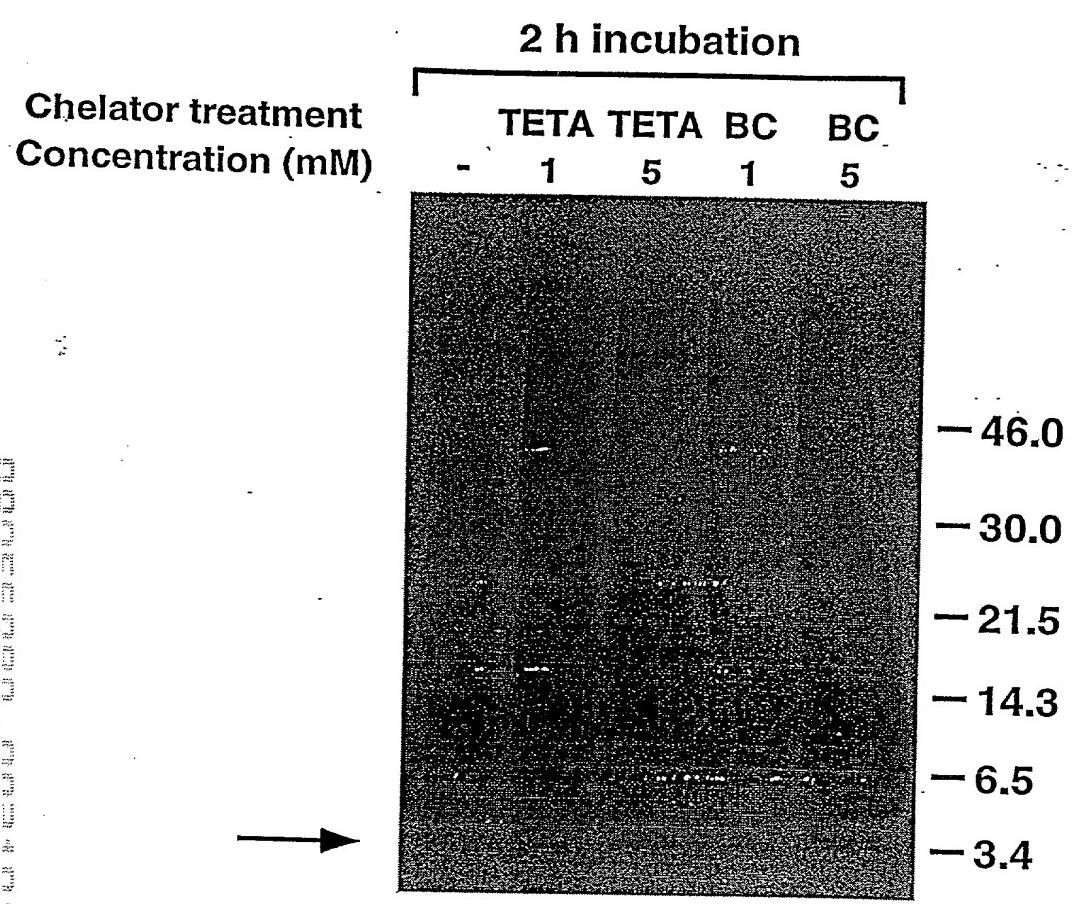


Fig. 34E